API Well Number: 43047522420000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

	1. WELL NAME and NUMBER RW 5D2-26B
2. TYPE OF WORK DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** RED WASH
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME** RED WASH
6. NAME OF OPERATOR QEP ENERGY COMPANY	**7. OPERATOR PHONE** 303 308-3068
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, Ut, 84078	**9. OPERATOR E-MAIL** debbie.stanberry@qepres.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU0566	**11. MINERAL OWNERSHIP** FEDERAL ● INDIAN ○ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ● INDIAN ○ STATE ○ FEE ○	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●
19. SLANT VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2127 FNL 584 FWL	SWNW	26	7.0 S	23.0 E	S
Top of Uppermost Producing Zone	2127 FNL 584 FWL	SWNW	26	7.0 S	23.0 E	S
At Total Depth	2127 FNL 584 FWL	SWNW	26	7.0 S	23.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 584	**23. NUMBER OF ACRES IN DRILLING UNIT** 40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1100	**26. PROPOSED DEPTH** MD: 10631 TVD: 10631
27. ELEVATION - GROUND LEVEL 5531	**28. BOND NUMBER** ESB000024	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** A-36125/ 49-2153

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	9.625	0 - 3536	40.0	N-80 LT&C	0.0	Halliburton Light , Type Unknown	460	3.12	11.0
							Halliburton Premium , Type Unknown	190	1.47	13.5
Prod	7.875	4.5	0 - 10631	11.6	HCP-110 LT&C	10.5	Halliburton Light , Type Unknown	570	3.18	11.0
							Halliburton Premium , Type Unknown	490	1.65	13.5

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Valyn Davis	**TITLE** Regulatory Affairs Analyst	**PHONE** 435 781-4369
SIGNATURE	**DATE** 12/14/2011	**EMAIL** Valyn.Davis@qepres.com

API NUMBER ASSIGNED
43047522420000

APPROVAL

Permit Manager

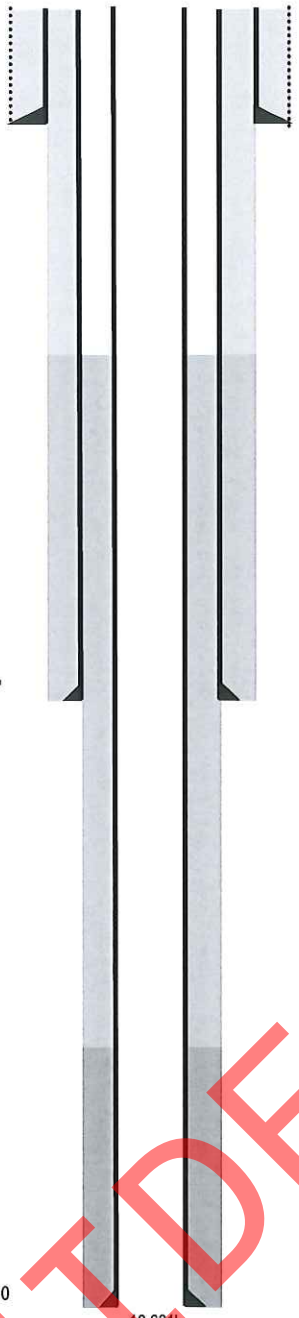
RECEIVED: January 12, 2012

QEP Energy Company
RW 5D2-26B
Summarized Drilling Procedure

1. Construct location per plat.
2. MIRU air drilling rig.
3. Pre-set conductor.
4. Nipple up diverter system.
5. Drill 12-1/4" hole to 3,536' with air/mist.
6. RIH with 9-5/8" 40# N-80 casing and cement same per program.
7. RDMO air drilling rig.
8. MIRU conventional drilling rig.
9. NU and test 5M BOPE.
10. Drill 7-7/8" hole from 10,631' using conventional mud systems.
11. Log well. Triple or Quad-Combo (GR, NEU/DEN, IND, RES, SON)
12. RIH with 4-1/2" 11.6# HCP-110 casing and cement same per program.
13. Pressure test casing.
14. ND BOP's and NU remainder of wellhead. Set BPV.
15. RDMO.

Updated MPG 12-6-2011
Not to scale

RW 5D2-26B
2,127' FNL & 584' FWL Sec 26 T7S R23E S.L.B.&M.
Uintah County, Utah
KB 5,545'
GL 5,531'



14" Conductor at 60'

Cemented to surface

Top of Production Lead Cement at 3,000'
Top of Surface Tail Cement at 3,000'

12-1/4" Open Hole

9-5/8" 40# N-80 @ 3,536'

7-7/8" Open Hole

Top of Production Tail Cement @ 8,311'

4 1/2" 11.6# HCP-110
10,631'

QEP ENERGY COMPANY
RW 5D2-26B
Uintah County, Utah
Section 26-T7S-R23E

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated top of important geologic markers are as follows:

Formation	Depth
Uinta	Surface
Green River	2,716'
Mahogany	3,486'
Wasatch	6,031'
Mesaverde	8,311'
Sego	10,531'
TD	10,631'

2. Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones

The estimated depths at which the top of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

Substance	Formation	Depth
Oil	Green River	2,716'
Gas	Wasatch	6,031'
Gas	Mesaverde	8,311'
Gas	Sego	10,531'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964)

QEP ENERGY COMPANY
RW 5D2-26B
Uintah County, Utah
Section 26-T7S-R23E

or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment

A. An 11" 5000 psi double ram with blind rams and pipe rams, annular preventer and drilling spool or BOP with 2 side outlets.

B. All BOP connections subject to pressure shall be flanged, welded or clamped.

C. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.

D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.

E. IBOP or float sub available.

F. Fill up line must be installed above the uppermost preventer.

G. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc…, for a 5M system and individual components shall be operable as designed.

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
17 ½"	14"	Sfc	60'	Steel	Conductor	None	Used	N/A
12-1/4"	9-5/8"	Sfc	3,536'	40#	N-80	LTC	New	Air
7 7/8"	4-1/2"	Sfc	10,631'	11.6#	HCP-110	LTC	New	10.5

QEP ENERGY COMPANY
RW 5D2-26B
Uintah County, Utah
Section 26-T7S-R23E

Casing Strengths:				Collapse	Burst	Tensile (min)
9-5/8"	40#	N-80	LTC	3,090 psi	5,750 psi	916,000 lb.
4 1/2"	11.6#	HCP-110	LTC	8,830 psi	10,710 psi	279,000 lb.

Casing Design Factors

*The casing prescribed above meets or exceeds the below listed design factors.
Burst: 1.2
Collapse: 1.2
Tension: 1.6

Maximum anticipated mud weight: 10.5 ppg
Maximum anticipated surface treating pressure: 7,200 psi

5. **Cementing Program**

9-5/8" Surface Casing:

Lead Slurry: Surface (TOC) – 3,000'. 460 sks (1409 ft^3) Halliburton Extendacem, 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 11.0 ppg, 3.12 ft^3/sk, 50% XS in open hole only.

Tail Slurry: 3,000' – 3,536'. 190 sx (269 ft^3) Halliburton Econocem, 0.2% HR-5 Retarder, 1.0 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 13.5 ppg, 1.47 ft^3/sk, 50% XS in open hole.

4-1/2" Production Casing*:

Lead Slurry: 3,000' (TOC) – 8,311'. 570 sks (1,817 ft^3) Halliburton Extendacem, 1 pps Granulite 1/4, 0.125 pps Poly–E–Flake. Slurry Weight 11.0 lb/gal, 3.18 ft^3/sk, 50% excess over gauge in open hole only.

Tail Slurry: 8,311' – 10,631'. 490 sks (796 ft^3), Halliburton Expandacem, 0.3% Super CBL (Expander), 0.6% HR-800 (Retarder), 1 pps Granulite TR ¼, 0.125 pps Poly-E-Flake (LCM). Slurry Weight 13.5 lb/gal, 1.65 ft^3/sk, 50% excess over gauge hole.

*Final cement volumes to be calculated from caliper log, if run.

QEP ENERGY COMPANY
RW 5D2-26B
Uintah County, Utah
Section 26-T7S-R23E

6. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – Yes

C. Monitoring equipment on the mud system – PVT/Flow Show

D. Full opening safety valve on the rig floor – Yes

E. Rotating Head – Yes

F. Request for Variance:

Drilling surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 50' into the Mahogany Bench formation and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooie line discharge 100 feet from wellbore and securely anchored** – the blooie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on blooie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Well Kill Fluid** – A suitable amount of water and weighting agents will be available in the reserve pit during air drilling operations to kill the well, if necessary. No overpressured zones are expected in the area.
6. **Deflector on the end of the blooie line** – QEP will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the

velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.

7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

G. Drilling below the 9-5/8" casing will be done with water based mud. Maximum anticipated mud weight is 10.5 ppg.

H. No minimum quantity of weight material will be required to be kept on location.

I. Gas detector will be used from intermediate casing depth to TD.

7. Testing, logging and coring program

A. Cores – none.

B. DST – none anticipated

C. Logging – Mud logging – Intermediate Casing to TD
OH Logs: GR-SP-Induction, Neutron Density.

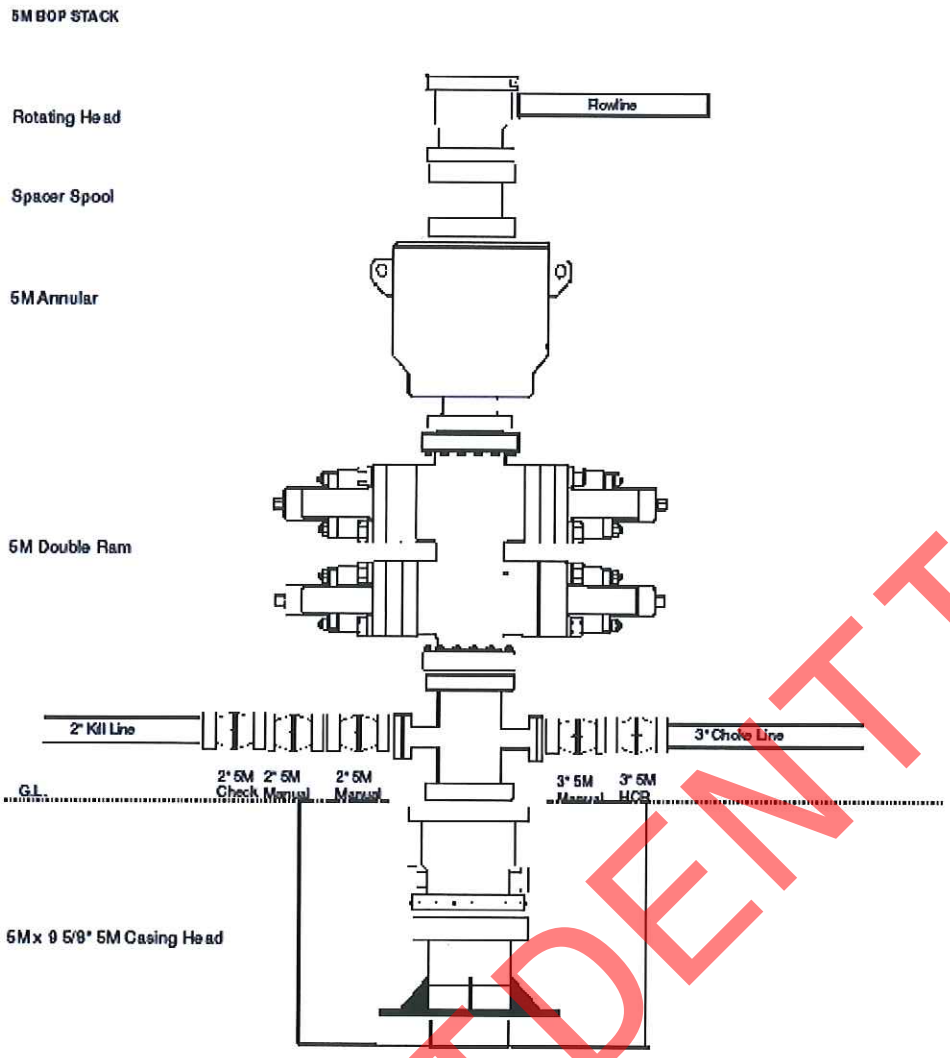
D. Formation and Completion Interval:
– Stimulation will be designed for the particular area of interest as encountered.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

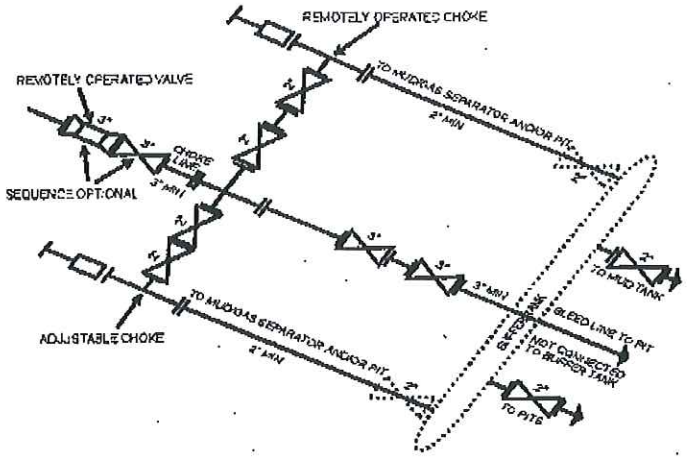
No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 5,805 psi. Maximum anticipated bottom hole temperature is 205° F.

H2S has not been encountered in other wells drilled to similar depths in the general area.

QEP ENERGY COMPANY
RW 5D2-26B
Uintah County, Utah
Section 26-T7S-R23E



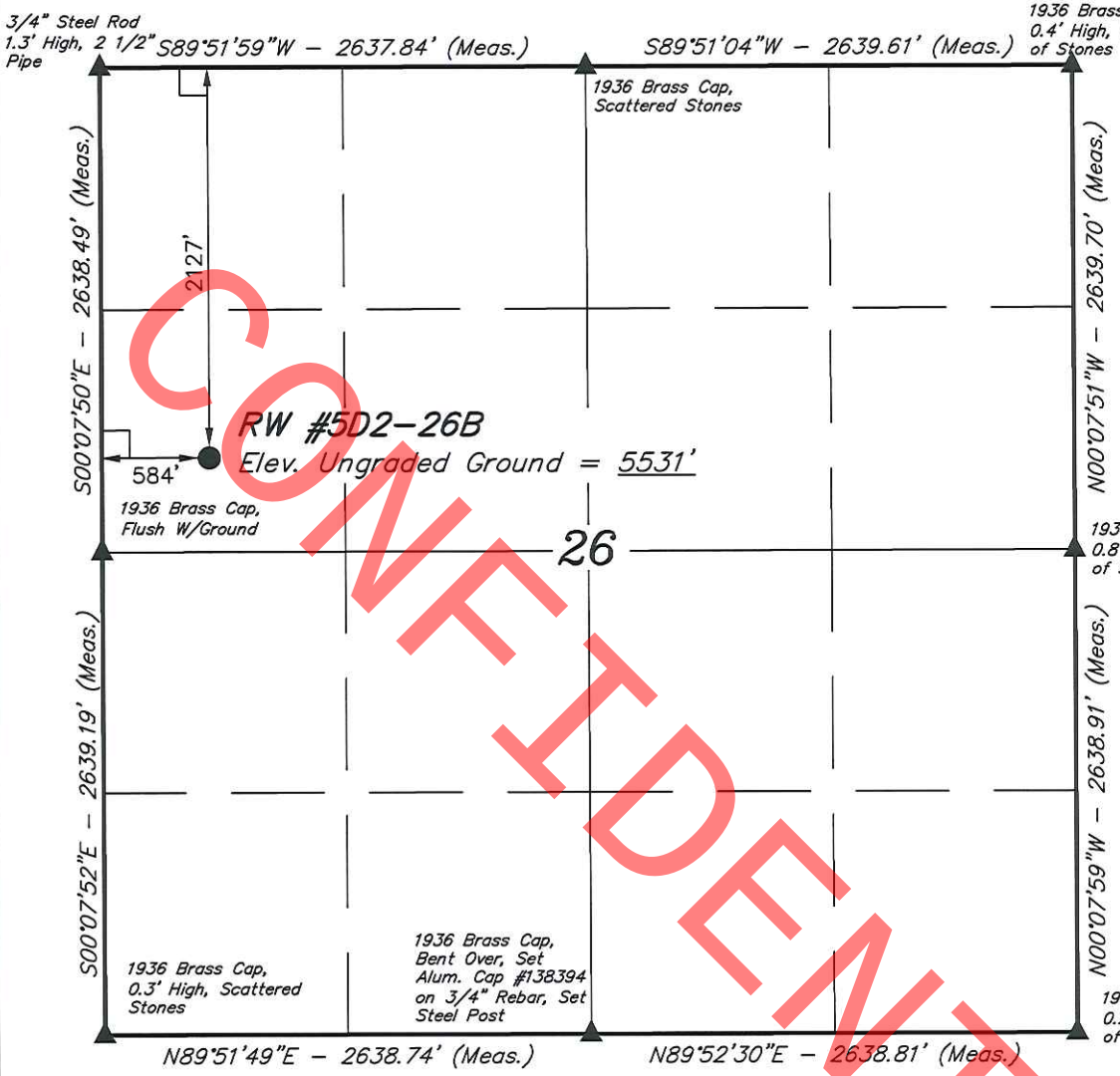
QEP ENERGY COMPANY
RW 5D2-26B
Uintah County, Utah
Section 26-T7S-R23E



5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.
[54 FR 39528, Sept. 27, 1989]

T7S, R23E, S.L.B.&M.



QEP ENERGY COMPANY

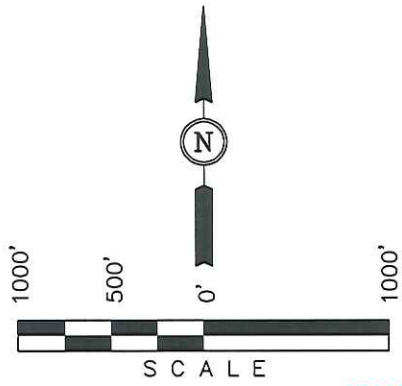
Well location, RW #5D2-26B, located as shown in the SW 1/4 NW 1/4 of Section 26, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH 11-07-11

REV.: 11-02-11 J.I.

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°10'55.03" (40.181953)
LONGITUDE = 109°18'06.03" (109.301675)
(NAD 27)
LATITUDE = 40°10'55.16" (40.181989)
LONGITUDE = 109°18'03.58" (109.300994)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	03-11-11	03-15-11
PARTY: A.F. J.C. K.O.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: QEP ENERGY COMPANY	

QEP ENERGY COMPANY

RW #5D2-26B

LOCATED IN UINTAH COUNTY, UTAH
SECTION 26, T7S, R23E, S.L.B.&M.

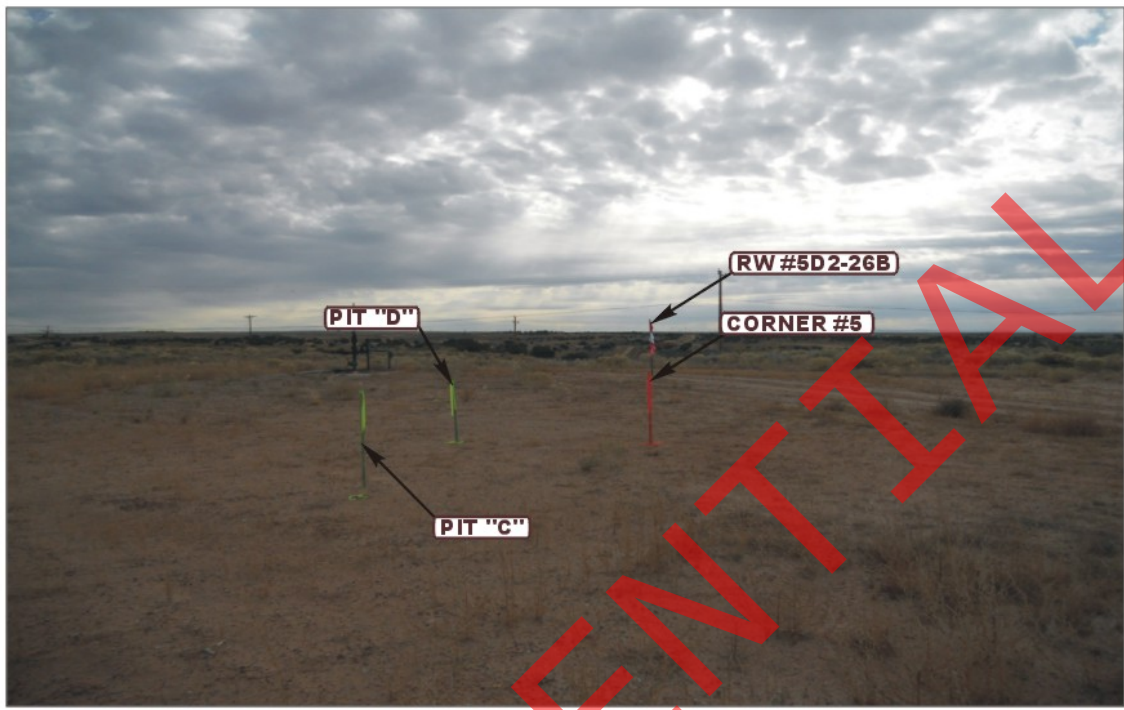


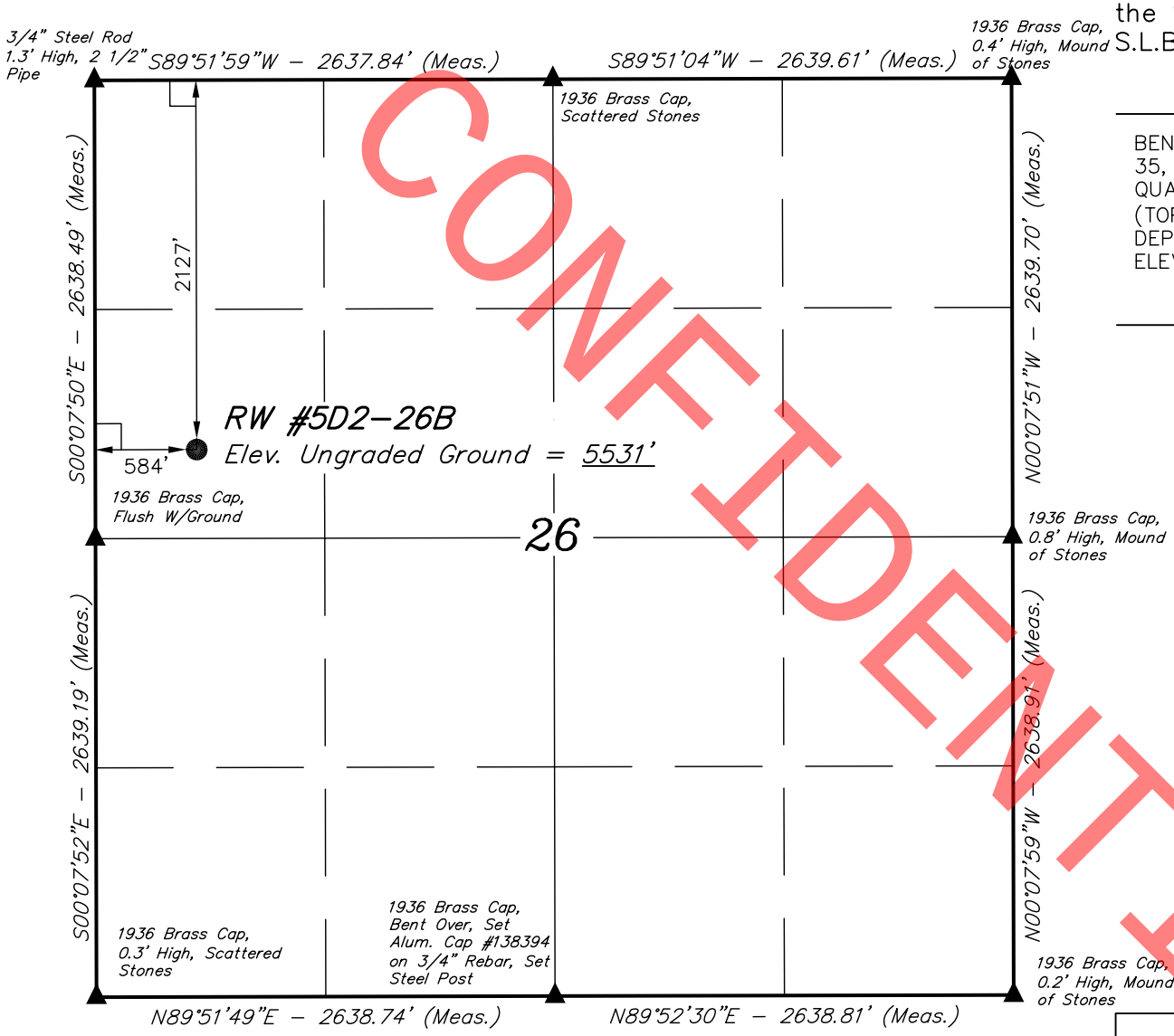
PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: SOUTHEASTERLY

PHOTO: VIEW OF EXISTING AND PROPOSED ACCESS — CAMERA ANGLE: SOUTHEASTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	03 MONTH	14 DAY	11 YEAR	PHOTO
TAKEN BY: A.F.	DRAWN BY: J.L.G.	REV: B.D.H. 11-4-11		

T7S, R23E, S.L.B.&M.



QEP ENERGY COMPANY

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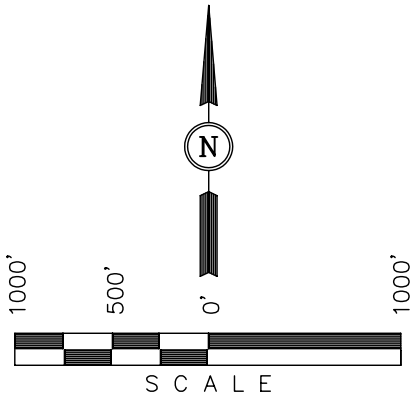

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
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11-07-11

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UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	03-11-11	03-15-11
PARTY: A.F. J.C. K.O.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: QEP ENERGY COMPANY	

API Well Number: 43047522420000

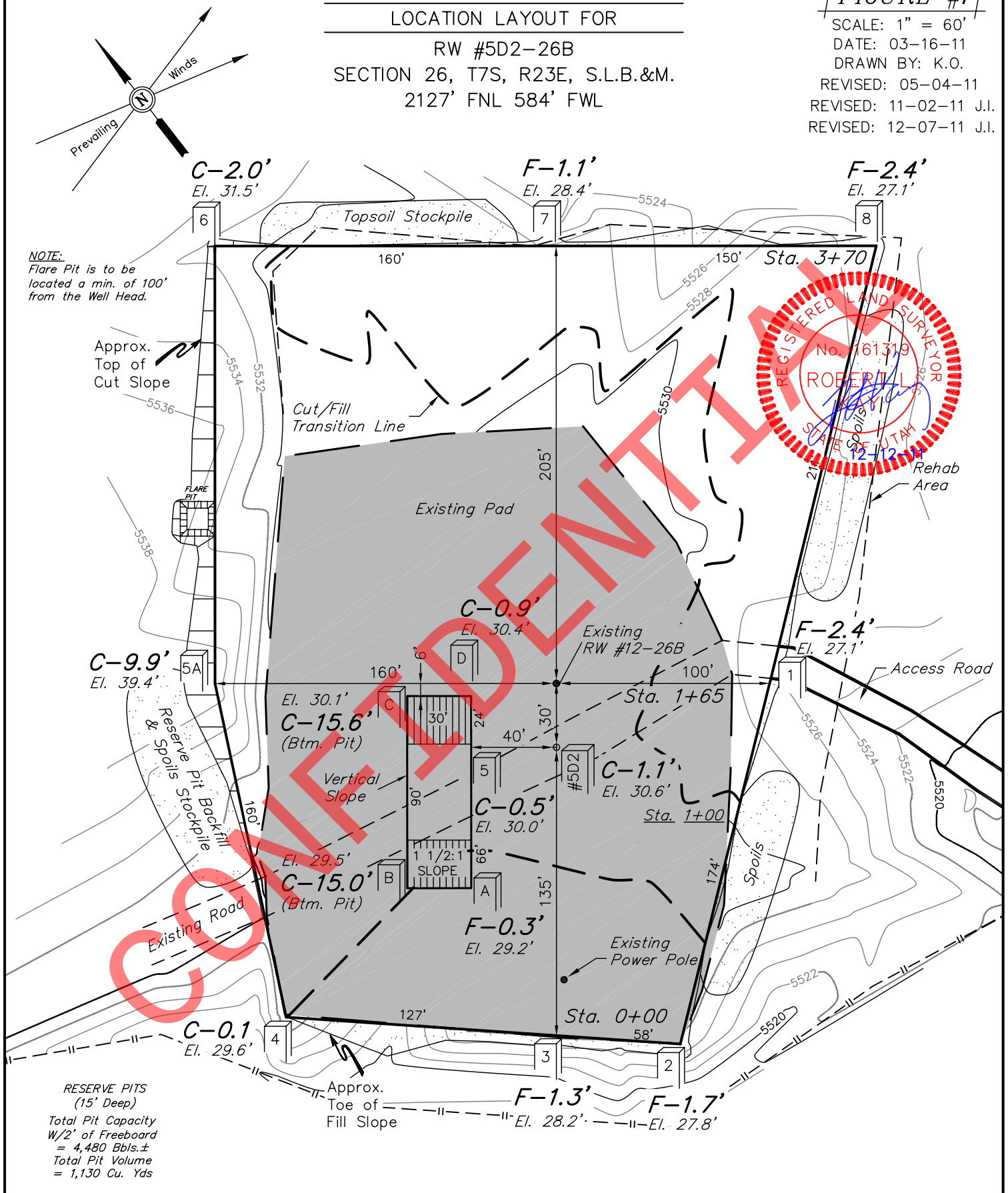
API Well Number: 43047522420000

QEP ENERGY COMPANY

LOCATION LAYOUT FOR

RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

FIGURE #1
SCALE: 1" = 60'
DATE: 03-16-11
DRAWN BY: K.O.
REVISED: 05-04-11
REVISED: 11-02-11 J.I.
REVISED: 12-07-11 J.I.



Elev. Ungraded Ground At #5D2-26B Loc. Stake = 5530.6'
FINISHED GRADE ELEV. AT #5D2-26B LOC. STAKE = 5529.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: December 14, 2011

QEP ENERGY COMPANY

TYPICAL CROSS SECTIONS FOR

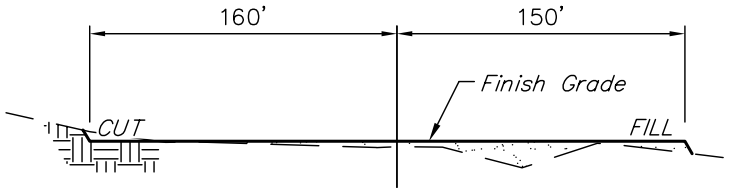
RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

FIGURE #2

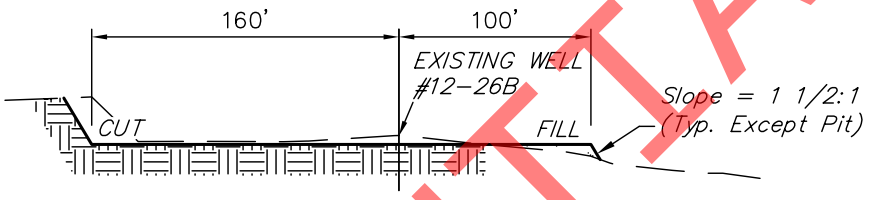
1" = 40'
X-Section Scale
1" = 100'

DATE: 03-16-11
DRAWN BY: K.O.
REV.: 11-02-11 J.I.
REV.: 12-07-11 J.I.

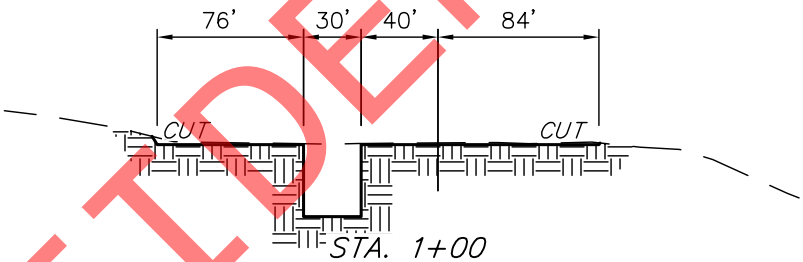
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH
12-12-11



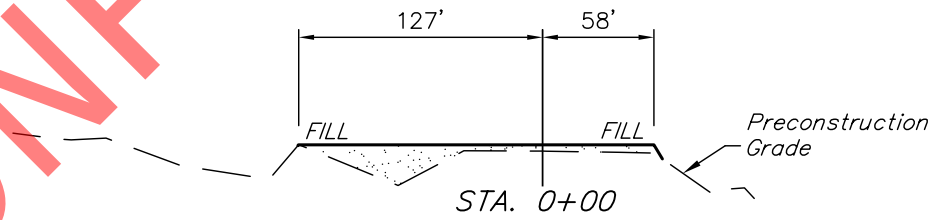
STA. 3+70



STA. 1+65



STA. 1+00



STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

EXISTING DISTURBANCE
WITHIN PROPOSED WELL SITE = ± 1.283 ACRES
REMAINING PROPOSED
WELL SITE DISTURBANCE = ± 1.201 ACRES
ACCESS ROAD DISTURBANCE = ± 0.120 ACRES
PIPELINE DISTURBANCE = ± 0.409 ACRES
TOTAL = ± 3.013 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	820 Cu. Yds.
Remaining Location	=	2,900 Cu. Yds.
TOTAL CUT	=	3,720 CU.YDS.
FILL	=	1,910 CU.YDS.

EXCESS MATERIAL	=	1,810 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,390 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	420 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: December 14, 2011

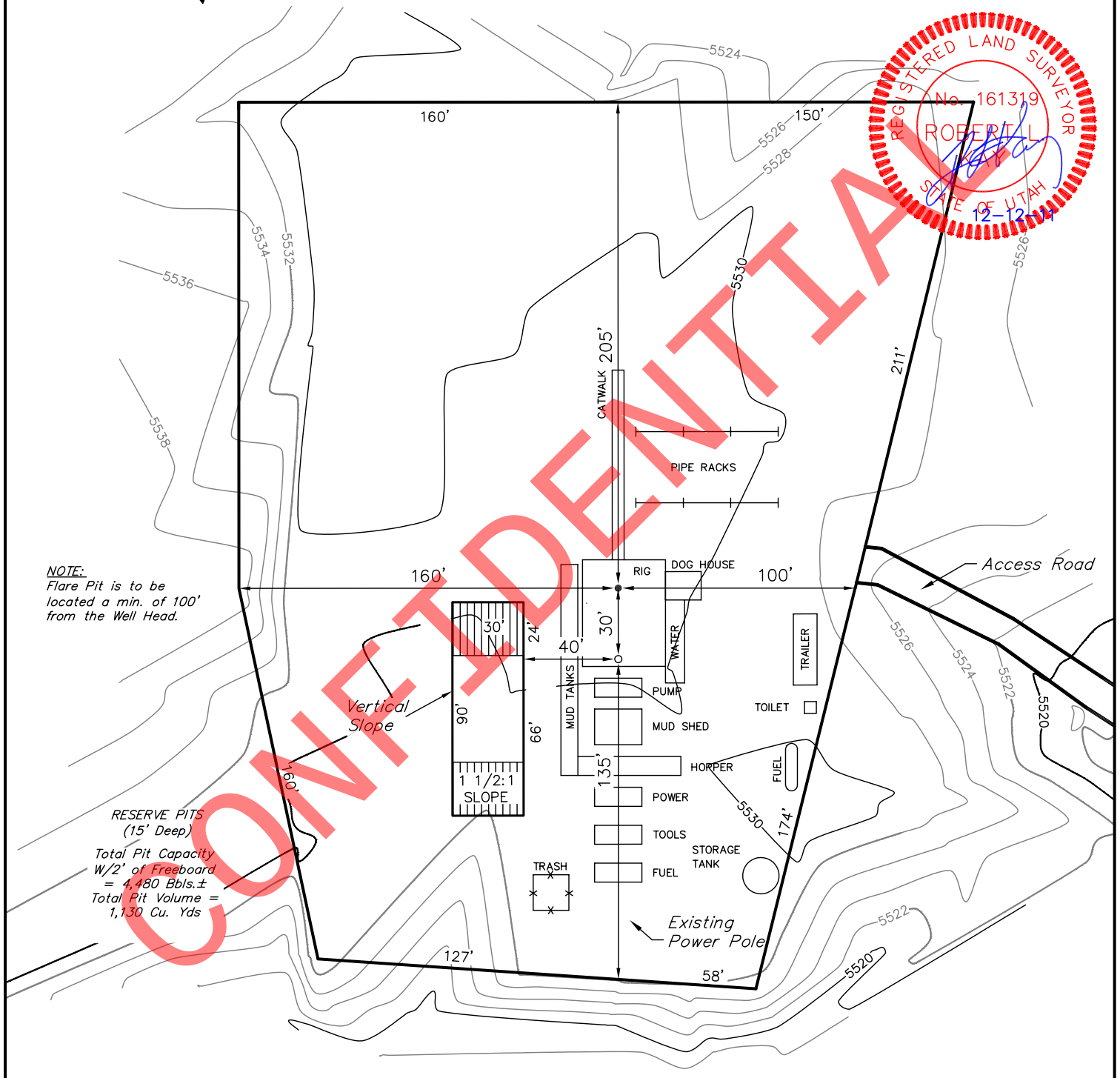
API Well Number: 43047522420000

QEP ENERGY COMPANY

TYPICAL RIG LAYOUT FOR

RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

FIGURE #3
SCALE: 1" = 60'
DATE: 03-16-11
DRAWN BY: K.O.
REVISED: 05-04-11
REV.: 11-02-11 J.I.
REV.: 12-07-11 J.I.



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

RESERVE PITS
(15' Deep)
Total Pit Capacity
W/2' of Freeboard
= 4,480 Bbls.±
Total Pit Volume =
1,130 Cu. Yds

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH
12-12-11

CONFIDENTIAL

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: December 14, 2011

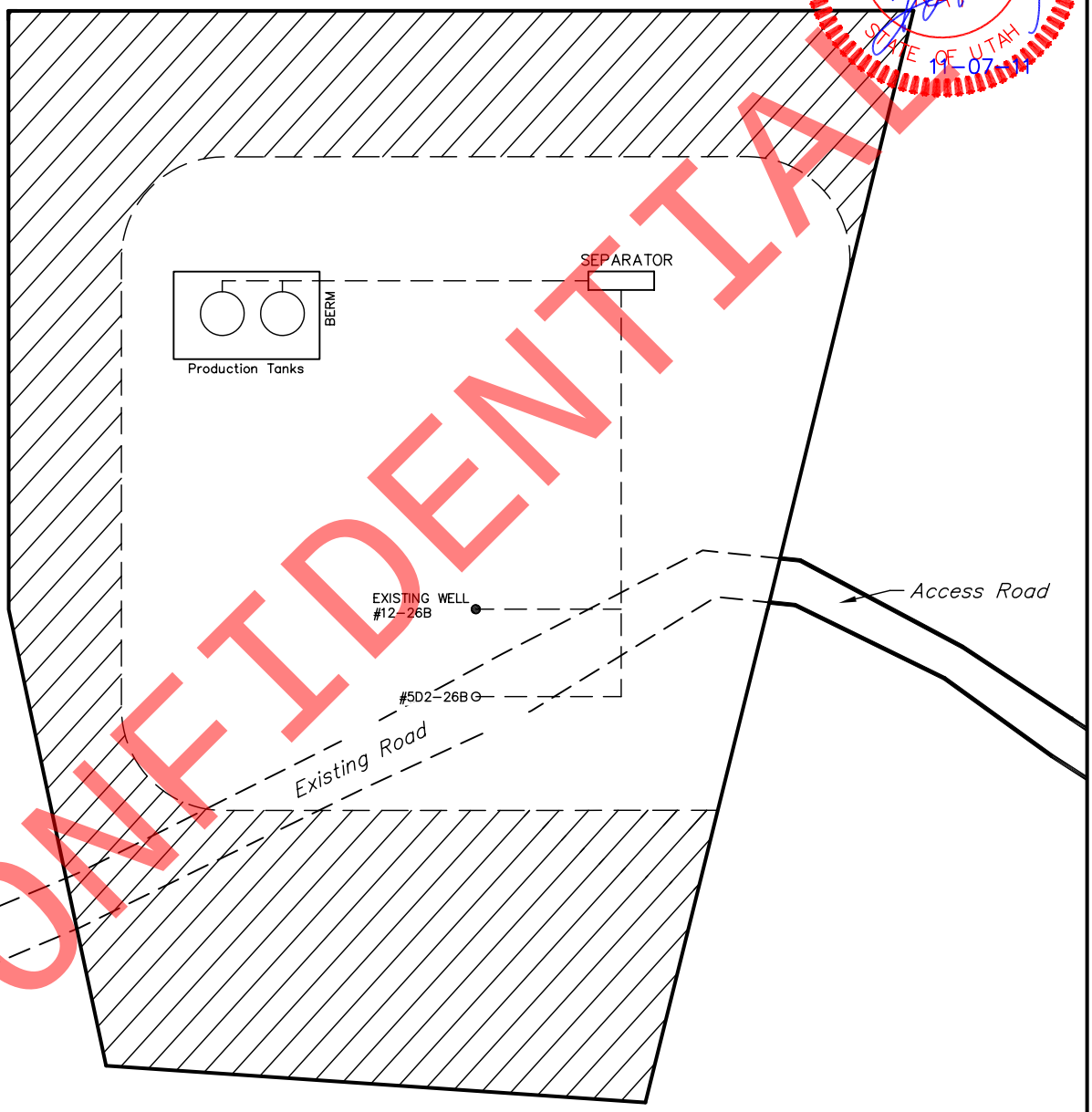
QEP ENERGY COMPANY

PRODUCTION FACILITY LAYOUT FOR

RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

FIGURE #4
SCALE: 1" = 60'
DATE: 04-04-11
DRAWN BY: K.O.
REVISED: 05-04-11
REV.: 11-02-11 J.I.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
11-07-11



APPROXIMATE ACREAGES
UN-RECLAIMED = ± 1.169 ACRES

RECLAIMED AREA

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

RECEIVED: December 14, 2011

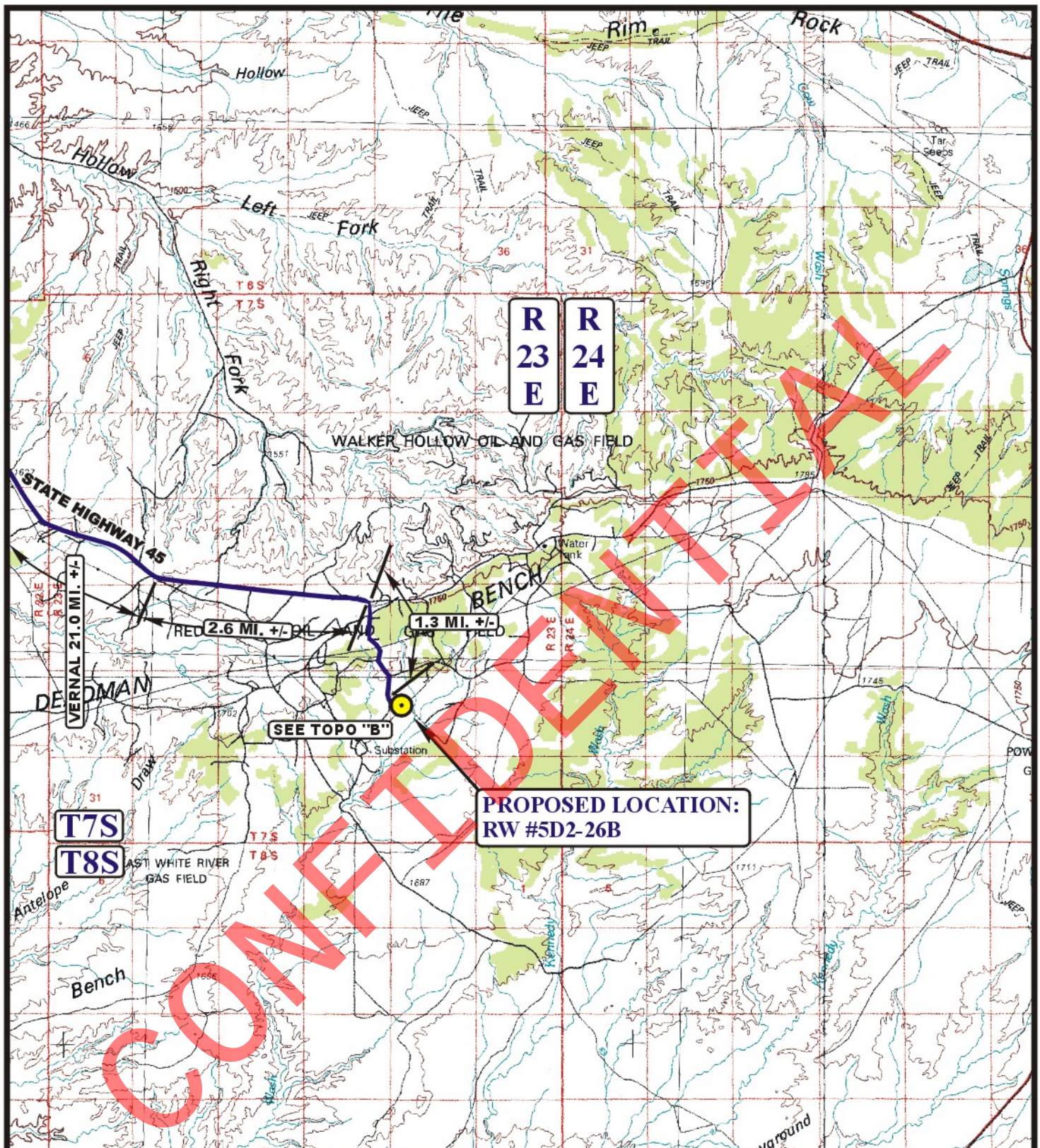
QEP ENERGY COMPANY
RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THIS ROAD AND EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APRROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 25.1 MILES.

RECEIVED: December 14, 2011

API Well Number: 43047522420000



LEGEND:

PROPOSED LOCATION

N

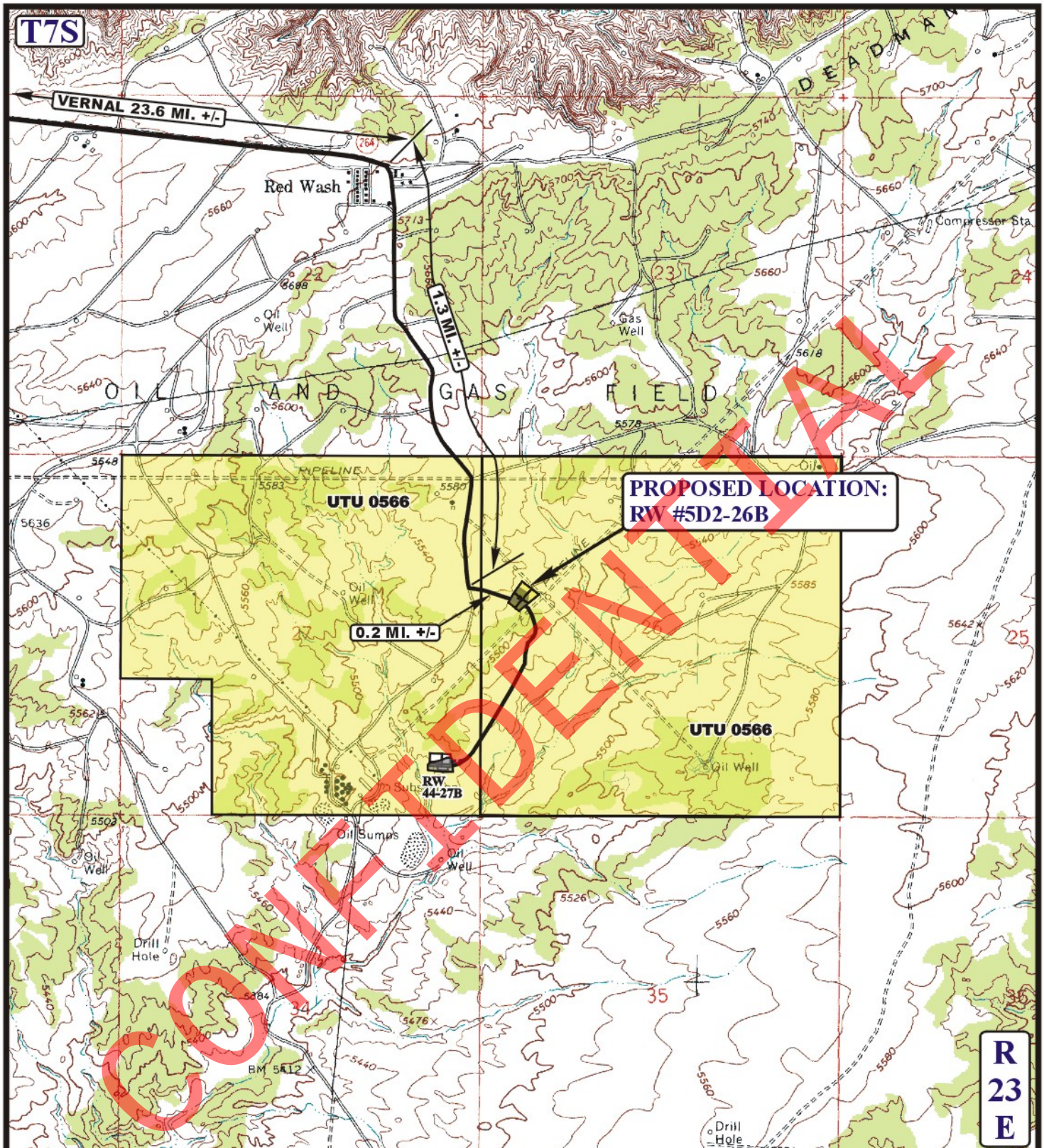
QEP ENERGY COMPANY

RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	03 MONTH	14 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.L.G.	REV: B.D.H. 11-4-11		

API Well Number: 43047522420000



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

QEP ENERGY COMPANY

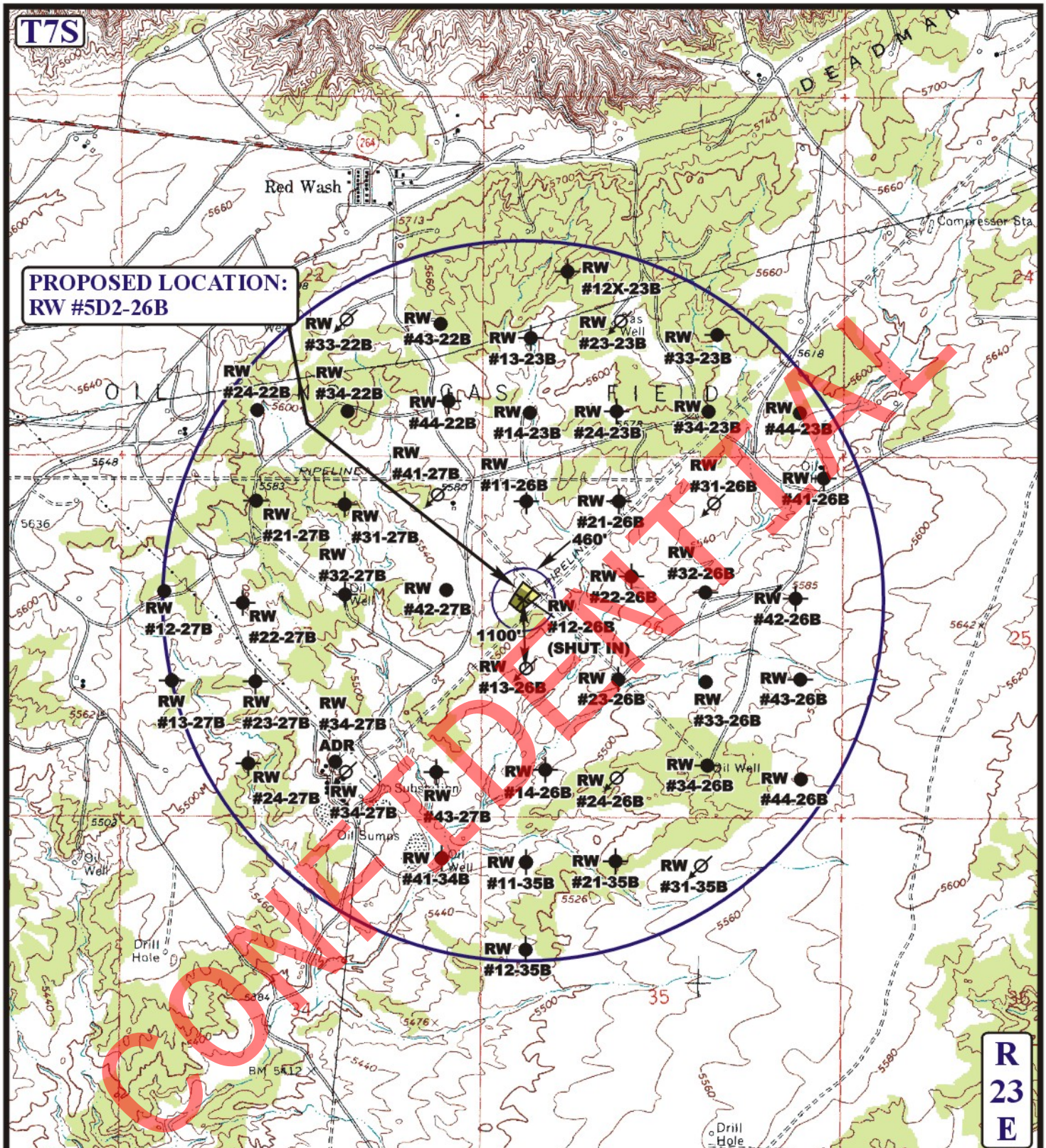
RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 03 MONTH | 14 DAY | 11 YEAR | B TOPO

SCALE: 1" = 2000' | DRAWN BY: J.L.G. | REV: B.D.H. 11-4-11

API Well Number: 43047522420000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

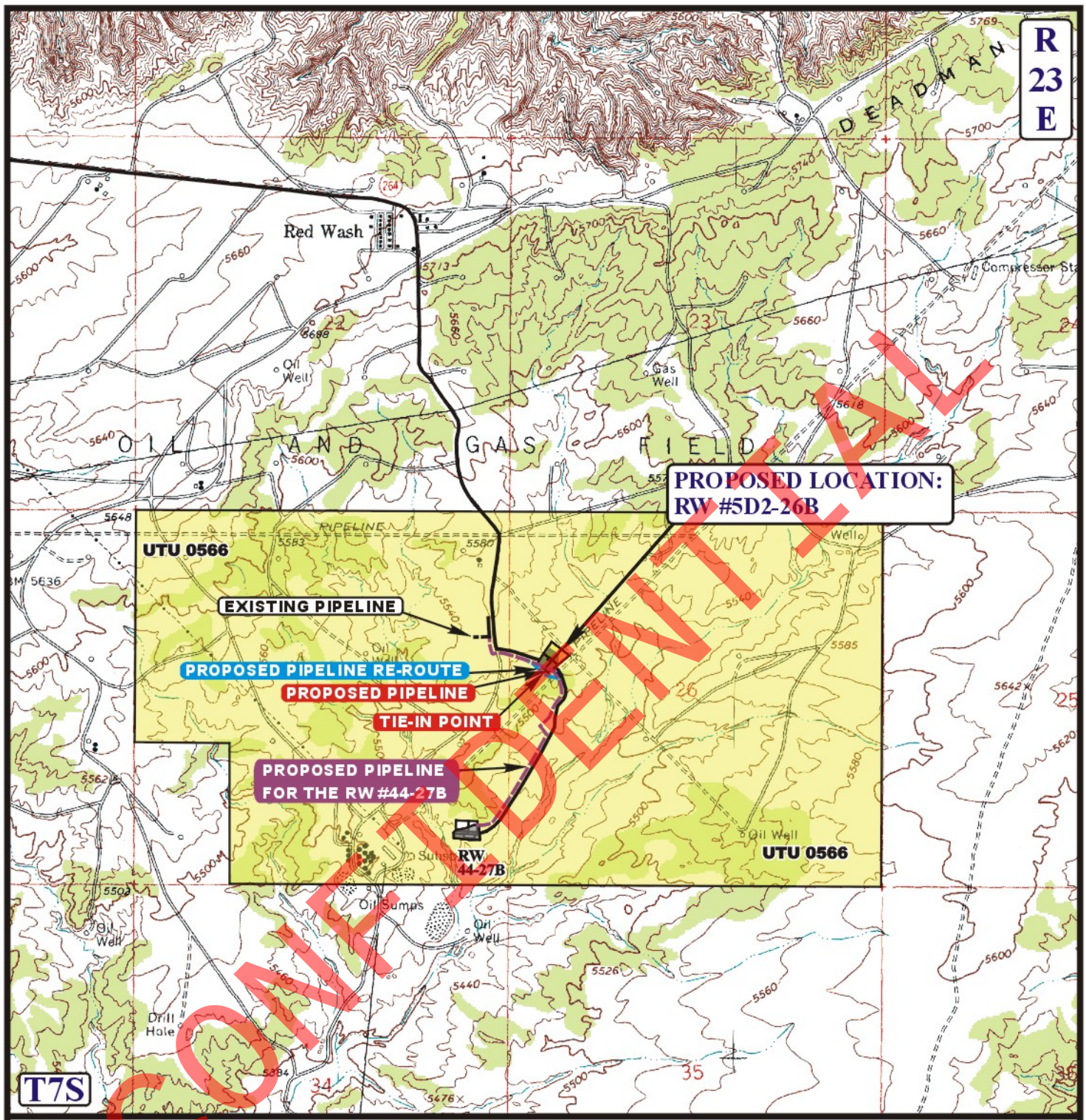
QEP ENERGY COMPANY

RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	03 MONTH	14 DAY	11 YEAR
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REV: B.D.H. 11-4-11	C TOPO

API Well Number: 43047522420000



APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 555' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 39' +/-

LEGEND:

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

QEP ENERGY COMPANY

RW #5D2-26B
SECTION 26, T7S, R23E, S.L.B.&M.
2127' FNL 584' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 03 MONTH | 14 DAY | 11 YEAR | D TOPO

SCALE: 1" = 2000' | DRAWN BY: J.L.G. | REV: B.D.H. 11-4-11

Additional Operator Remarks

QEP Energy Company proposes to drill a vertical gas well to a depth of 10,631' to test the Mesa Verde Formation. This well is being twinned on well location RW 12-26B. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see Onshore Order No. 1.

Please refer to QEP Energy Company Greater Deadman Bench
EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

Please be advised that QEP Energy Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP Energy Company via surety as consent as provided for the 43 CFR 3104.2.

QEP ENERGY COMPANY
RW 5D2-26B
2127' FNL 584' FWL
SWNW, SECTION 26, T7S, R23E
UINTAH COUNTY, UTAH
LEASE # UTU-0566

ONSHORE ORDER NO. 1
MULTI – POINT SURFACE USE & OPERATIONS PLAN

THIS WELL IS BEING TWINNED ON WELL LOCATION RW 12-26B.

An onsite inspection was conducted for the RW 5D2-26B on May 4, 2011. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

Kevin Sadlier	Bureau of Land Management
Aaron Roe	Bureau of Land Management
Holly Villa	Bureau of Land Management
Daniel Emmett	Bureau of Land Management
Jan Nelson	QEP Energy Company
Stephanie Tomkinson	QEP Energy Company
Ryan Angus	QEP Energy Company
Valyn Davis	QEP Energy Company
Eric Wickersham	QEP Energy Company
Andy Floyd	Uintah Engineering & Land Surveying

1. **Existing Roads:**

The proposed well site is approximately 25 miles South of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

All existing roads will be maintained and kept in good repair during all phases of operation.

2. **Planned Access Roads:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Refer to Topo Map B for the location of the proposed access road.

No new access road is proposed. The access to be used is the access to the existing RW 12-26B location. Graveling or capping the roadbed will be performed as necessary to provide a well constructed safe road. Should conditions warrant, rock, gravel or culverts will be installed as needed.

3. **Location of Existing Wells Within a 1 – Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

The following guidelines will apply if the well is productive.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

All loading lines will be placed inside the berm surrounding the tank batteries.

All permanent (on site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a color approved by the State.

It was determined on the onsite by the BLM VFO AO that the facilities will be painted Covert Green.

Refer to Topo Map D for the location of the proposed pipeline.

All existing equipment will be moved off location before any construction begins.

The proposed surface pipeline will be constructed utilizing existing disturbed areas to minimize surface disturbance. No construction activities will be allowed outside of the proposed pipeline.

Prior to construction, the Permittee will develop a plan of installation to minimize surface disturbance. Pipe will be strung along the pipeline route with either a flatbed trailer and rubber tired backhoe or a tracked typed side boom. Where surface conditions do not allow the pipe to be strung using conventional methods, the Permittee will utilize pull sections to run the fabricated pipe through the area from central staging areas along the pipeline route.

Upon completion of stringing activities the Permittee will fabricate the pipeline on wooden skids adjacent to the centerline of the pipeline route using truck mounted welding machines. All fabricated piping will be lowered off of the wooden skids and

placed along the centerline. Upon completion of all activities, the wooden skids will be removed from the pipeline route using a flatbed truck or flatbed truck and trailer.

When the surface terrain prohibits the Permittee from safely installing the pipeline along the pipeline route, grading of the route will be required. Prior to installing the pipeline in these areas a plan will be developed to safely install the pipeline while minimizing grading activities and surface disturbances. Additionally, erosion control Best Management Practices will be installed as needed prior to the start of any grading activities. Surface grading will be limited to what is needed to safely install the pipeline. Track type bulldozers and track type backhoes will be utilized for grading activities.

Upon completion of the pipeline installation, the pipeline route will be restored to the pre-disturbance surface contours.

The proposed pipeline will be a surface 10" or smaller, 39' in length, containing .026 acres.

Road Crossings

Fusion Bond or concrete coated pipe will be used for all road crossings to alleviate future corrosion.

All pipe and fittings used for road crossings will be prefabricated within the proposed pipeline route to minimize the duration of open pipe trench across the roadway. Pipe used for road crossings will be isolated on each end with a flange set and insulation kit and cathodically protected with a magnesium type anode. Adequately sized equipment will be used for minor and major road crossings. Depth of cover for minor roads will be >4' and the depth of cover for major roads will be >6'.

Prior to lowering the pipe in the trench, the Permittee will "Jeep" the pipe to locate and repair any Holidays in the pipe coating. Upon lowering the pipe in the trench, 6" of bedding and a minimum of 6" of shading will be installed to protect the pipe using either native soils <1" in diameter or imported sand. Pipe trenches that extend across gravel roads will be backfilled with native soils to within 8" of the driving surface and capped with 3/4" road base. Pipe trenches that extend across asphalt paved roads will be backfilled to 4" of the driving surface with 3/4" road base and capped asphalt material.

5. Location and Type of Water Supply:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (which was filed on May 7, 1964) or Red Wash Water Right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System.

6. Source of Construction Materials:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

7. Methods of Handling Waste Materials:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 6 months after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It will be determined at the on-site inspection if a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner, a minimum of 20 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.

No trash or scrap will be disposed of in the pit.

Reserve pit leaks are considered an undesirable event and will be orally reported to the AO.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days.

After the 90 day period, the produced water will be contained in tanks on location and then hauled by truck to one of the following pre-approved disposal sites:

Red Wash Disposal well located in the SESE, Section 28, T7S, R23E,
West End Disposal located in the NESE, Section 28, T7S, R22E.

Produced water, oil, and other byproducts will not be applied to roads or well pads for the control of dust or weeds. The dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site. The spills will be reported to the AO and other authorities as appropriate.

A chemical porta-toilet will be furnished with the drilling rig. The chemical porta-toilet wastes will be hauled to Ashley Valley Sewer and Water System for disposal.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig. All trash and waste material will be hauled to the Uintah County Landfill.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas. Specific APD's shall address any modifications from this policy.

8. Ancillary Facilities:

None anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

The stockpiled topsoil (first six inches), will not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with topsoil.

The flare pit or flare box will be located downwind from the prevailing wind direction.

Any drainage that crosses the well location will be diverted around the location by using ditches, water diversion drains or berms. If deemed necessary at the

on-site, erosion drains may be installed to contain sediments that could be produced from access roads and well locations.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

10. Fencing Requirements:

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to corner posts.

The reserve pit will be fenced on three (3) sides during drilling operations. The fourth side will be put in place when the rig moves off location. The pit will be fenced and maintained until it is backfilled. If drilling operations does not commence within 3 days, the fourth side of the fence will be installed

11. Plans for Reclamation of the Surface:

Please refer to QEP Energy Company Uinta Basin Division Reclamation Plan

Site Specific Procedures:

Site Specific Reclamation Summary:

Reclamation will follow QEP Energy Company, Uinta Basin Division's Reclamation Plan, September 2009 (QEP's Reclamation Plan) and the BLM Green River District Reclamation Guidelines.

All trash and debris will be removed from the disturbed area.

The disturbed area will be backfilled with subsoil.

Topsoil will be spread to an even, appropriate depth and disked if needed.

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

Seeding will be done in the fall, prior to ground freeze up.

Seed mix will be submitted to a BLM AO for approval prior to seeding.

Monitoring and reporting will be conducted as stated in QEP Energy's Reclamation Plan.

A reference site and weed data sheet have been established and are included in this application.

It was determined and agreed upon that there is 6" inches of top soil.

12. Surface Ownership:

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
(435) 781-4400

13. Other Information:

This well is being twinned on well location RW 12-26B.

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on May 9, 2011, **State of Utah Antiquities Project U-11-MQ-0230b** by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on May 27, 2011, **IPC # 11-33** by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide Paleo monitor if needed.

Per the onsite on May 4, 2011, the following items were requested/ discussed.

The existing pipeline will be re-routed on the southwest side of the pad. The proposed pipeline re-route will be 555' in length, 30' in width, containing approximately .382 acres.

Lessee's or Operator's Representative & Certification:

Valyn Davis
Regulatory Affairs Analyst
QEP Energy Company
11002 East 17500 South
Vernal, UT 84078
(435) 781-4369

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

QEP Energy Company is considered to be the operator of the subject well. QEP Energy Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

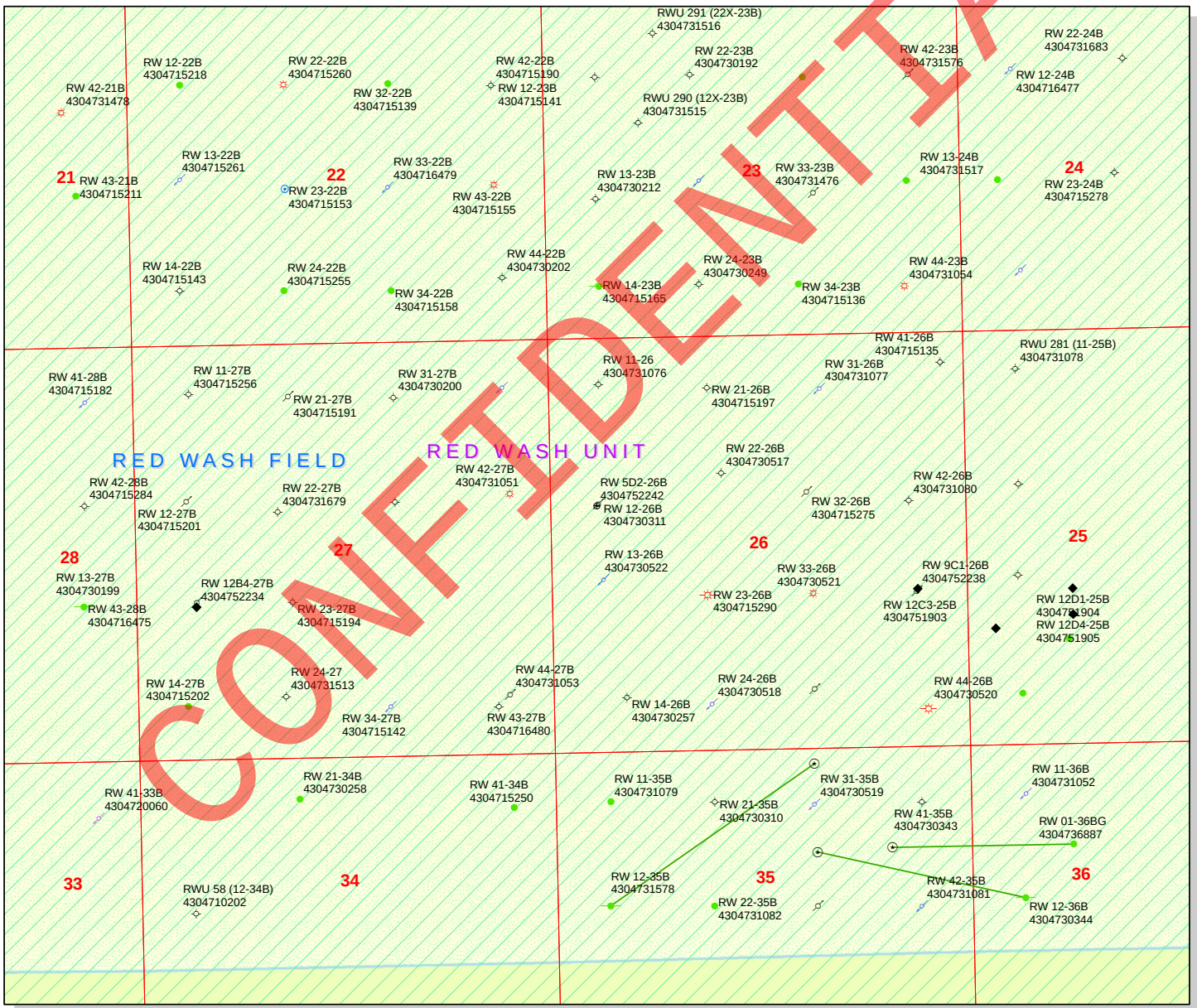
Bond coverage pursuant to 43 CFR 3104.2 for lease activities is being provided by Bond No. ESB000024

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operations; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Valyn Davis
Valyn Davis

12/14/2011
Date

API Well Number: 43047522420000



API Number: 4304752242

Well Name: RW 5D2-26B

Township T0.7 . Range R2.3 . Section 26

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,700 850 0 1,700 Feet

1:15,707

RECEIVED: December 15, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

January 6, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Red Wash Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Red Wash Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MESA VERDE)		
43-047-52242	RW 5D2-26B	Sec 26 T07S R23E 2127 FNL 0584 FWL
43-047-52243	RW 13B4-18C	Sec 18 T07S R24E 0911 FSL 0800 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.01.06 08:19:24 -07'00'

bcc: File - Red Wash Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:1-6-12

RECEIVED: January 06, 2012

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/14/2011
API NO. ASSIGNED: 43047522420000
WELL NAME: RW 5D2-26B
OPERATOR: QEP ENERGY COMPANY (N3700)
PHONE NUMBER: 435 781-4369
CONTACT: Valyn Davis

PROPOSED LOCATION: SWNW 26 070S 230E
Permit Tech Review: ☑

SURFACE: 2127 FNL 0584 FWL
Engineering Review: ☐

BOTTOM: 2127 FNL 0584 FWL
Geology Review: ☑

COUNTY: UINTAH
LATITUDE: 40.18195
LONGITUDE: -109.30164
UTM SURF EASTINGS: 644590.00
NORTHINGS: 4449335.00
FIELD NAME: RED WASH
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU0566
PROPOSED PRODUCING FORMATION(S): MESA VERDE
SURFACE OWNER: 1 - Federal
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - ESB000024
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** A-36125/ 49-2153
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: RED WASH

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 187-07
Effective Date: 9/18/2001
Siting: Suspends General Siting

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

RECEIVED: January 12, 2012

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: RW 5D2-26B
API Well Number: 43047522420000
Lease Number: UTU0566
Surface Owner: FEDERAL
Approval Date: 1/12/2012

Issued to:
QEP ENERGY COMPANY, 11002 East 17500 South, Vernal, Ut 84078

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

API Well No: 43047522420000

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED

DEC 15 2011

BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU0566
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. 892000761X
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. RW 5D2-26B
2. Name of Operator QEP ENERGY COMPANY Contact: VALYN DAVIS E-Mail: Valyn.Davis@qepres.com	9. API Well No. 43-047-52242.
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078 / 3b. Phone No. (include area code) Ph: 435-781-4369 Fx: 435-781-4395	10. Field and Pool, or Exploratory RED WASH
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWNW 2127FNL 584FWL 40.181953 N Lat, 109.301675 W Lon At proposed prod. zone SWNW 2127FNL 584FWL 40.181953 N Lat, 109.301675 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 26 T7S R23E Mer SLB
14. Distance in miles and direction from nearest town or post office* 25 MILES +/- SOUTHEAST OF VERNAL, UTAH	12. County or Parish UINTAH / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 584' / 16. No. of Acres in Lease 1920.00	17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. +/- 1100' / 19. Proposed Depth 10631 MD 10631 TVD	20. BLM/BIA Bond No. on file ESB000024
21. Elevations (Show whether DF, KB, RT, GL, etc. 5531 GL / 22. Approximate date work will start 04/01/2012	23. Estimated duration 30 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VALYN DAVIS Ph: 435-781-4369	Date 12/14/2011
Title REGULATORY AFFAIRS ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date APR 04 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Electronic Submission #125700 verified by the BLM Well Information System
For QEP ENERGY COMPANY, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 12/27/2011 ()

NOTICE OF APPROVAL

RECEIVED
APR 11 2012
DIV. OF OIL, GAS & MINING

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

12RRH1109AE

NO NOS

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**QEP Energy Company**	**Location:**	**SWNW, Sec. 26, T7S, R23E**
Well No:	**RW 5D2-26B**	**Lease No:**	**UTU-0566**
API No:	**43-047-52242**	**Agreement:**	**Red Wash Unit**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were brought in from areas outside the Uinta Basin, to prevent weed seed introduction.

- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established.

- Reclamation will be completed in accordance with the QEP Energy company and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.

- In the event historic or archaeological resources are uncovered during construction, work will stop immediately and the appropriate BLM AO will be notified.

- Due to the number of fossils found during the surveys at well sites, RW 3B4-18B, RW 6C1-19B, and RW 8C1-30B, it is recommended that a permitted paleontologist be present to monitor the construction processes at these locations. QEP has agreed to provide a permitted paleontologist to monitor these areas. No paleontological restrictions are required for the other well locations associated with this project. **Table 4-3** shows which wells and associated roads and pipelines will require a monitor.

Table 4-3

Well Name	Well Pad	Access Road	Pipeline
RW 3B4-18B	Yes	Yes	Yes
RW 8C1-19B	No	No	No
RW 6C1-19B	Yes	Yes	Yes
RW 6B4-21B	No	No	No
RW 5D2-26B	No	No	No
RW 12B4-27B	No	No	No
RW 8C1-30B	No	No	No
RW 16B4-30B	Yes	Yes	Yes

Yes, indicates a permitted paleontologist will be present to monitor the construction process.

- If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.

QEP has agreed not to construct or drill during the following dates, unless otherwise determined by the BLM Authorized Officer.

Table 2-2 Raptor nesting timing restriction

Well Name	Burrowing Owl March 1 to August 31	Red Tailed Hawk March 1 to August 15	Ferruginous Hawk March 1 to August 1
RW 3B4-18B	No	No	No
RW 8C1-19B	No	No	No
RW 6C1-19B	No	No	No
RW 6B4-21B	Yes	No	Yes
RW 5D2-26B	No	No	No
RW 12B4-27B	No	No	No
RW 8C1-30B	No	Yes	No
RW 16B4-30B	No	No	No

Yes indicates QEP will not drill or construct during this time period.

- All internal combustion equipment will be kept in good working order.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers. The use of low bleed pneumatics will result in a lower emission of VOCs.
- During completion, flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Well site telemetry will be utilized as feasible for production operations.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved location is best.
- If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:
    - do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;
    - limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 31); and
    - limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
- Screen all pump intakes with 3/32" mesh material.

- Approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).

- Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:

  Northeastern Region
  152 East 100 North, Vernal, UT 84078
  Phone: (435) 781-9453

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought 500' up and into the surface casing.
- For the SR sundry covering drilling operations on the first day (when the surface hole is first drilled), operator shall note in the report the volume of water in units of barrels out on location, stored in pits-tanks.
- Electronic/mechanical mud monitoring equipment shall be required, from surface casing shoe to TD, which shall include as a minimum: pit volume totalizer (PVT); stroke counter; and flow sensor.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 26821 API Well Number: 43047522420000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0566

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 5D2-26B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047522420000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2127 FNL 0584 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 26 Township: 07.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/18/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP ENERGY COMPANY WOULD LIKE TO OPTIMIZE THE BOTTOM HOLE SPACING OF THE MESA VERDE DEVELOPMENT, THEREFORE, QEP ENERGY COMPANY WOULD LIKE TO DRILL THIS WELL DIRECTIONALLY.

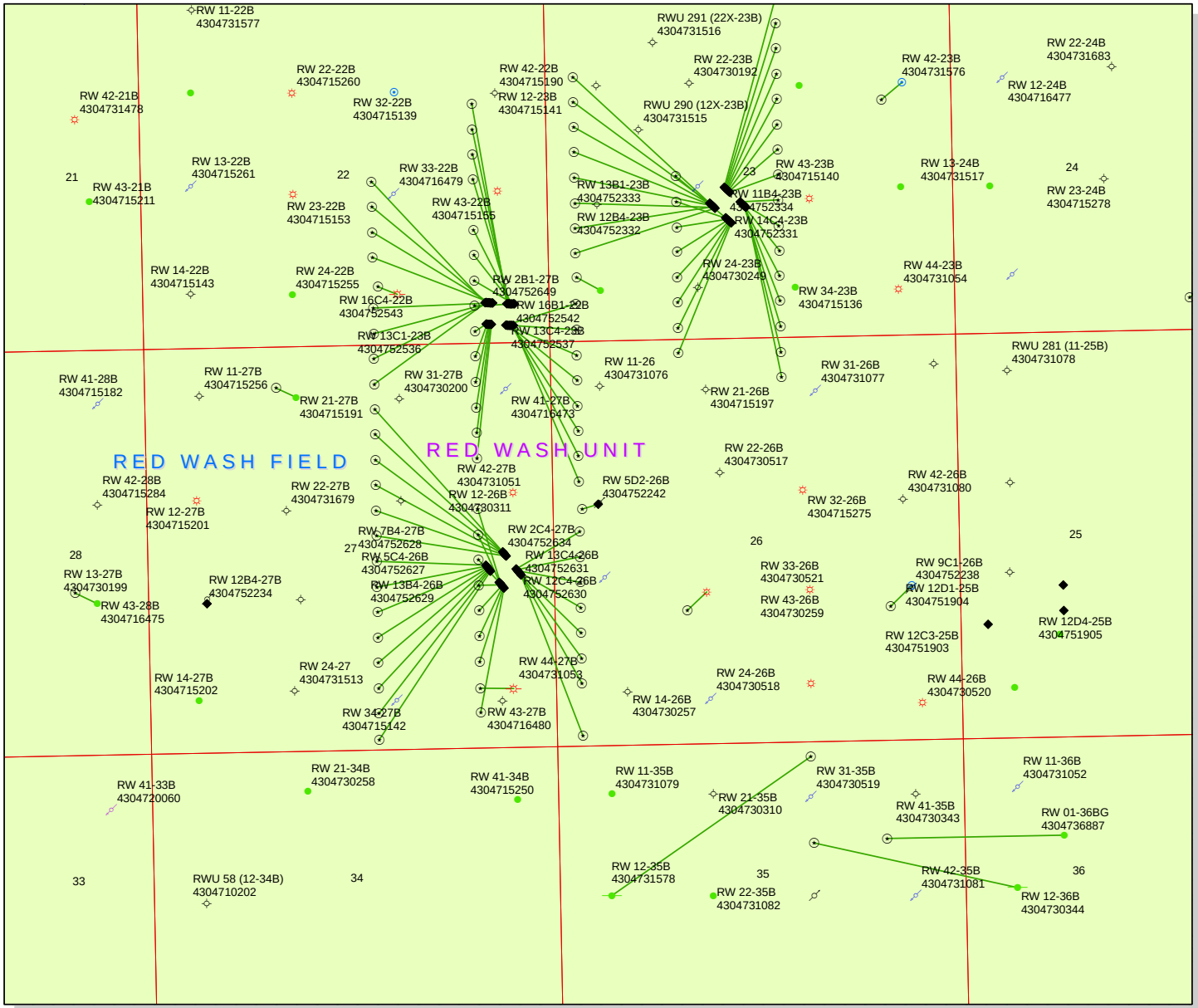
Approved by the Utah Division of Oil, Gas and Mining

Date: June 28, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 6/18/2012

RECEIVED: Jun. 18, 2012



API Number: 4304752242

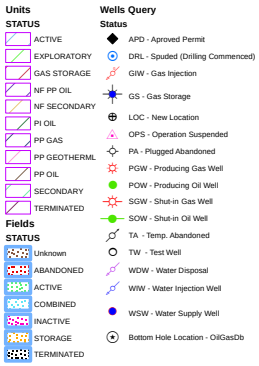
Well Name: RW 5D2-26B

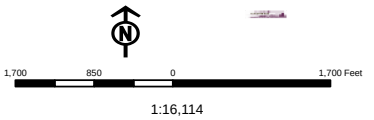
Township T07.0S Range R23.0E Section 26

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason





1:16,114

RECEIVED: Jun. 28, 2012

QEP Energy Company

11002 East 17500 South
Vernal, UT 84078
Telephone 435-781-4331
Fax 435-781-4395

June 18, 2012

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

RE: Directional Drilling R649-3-11
Red Wash Unit
RW 5D2-26B
2127' FNL 584' FWL, SWNW, Section 26, T7S, R23E (Surface)
2189' FNL 376' FWL, SWNW, Section 26, T7S, R23E (Bottom Hole)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of QEP Energy Company Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649 -3-11 pertaining to the location and drilling of a directional well.

QEP Energy Company would like to optimize the bottom hole spacing of the Mesa Verde development; therefore, QEP Energy Company would like to drill this well directionally.

Furthermore, QEP Energy Company certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

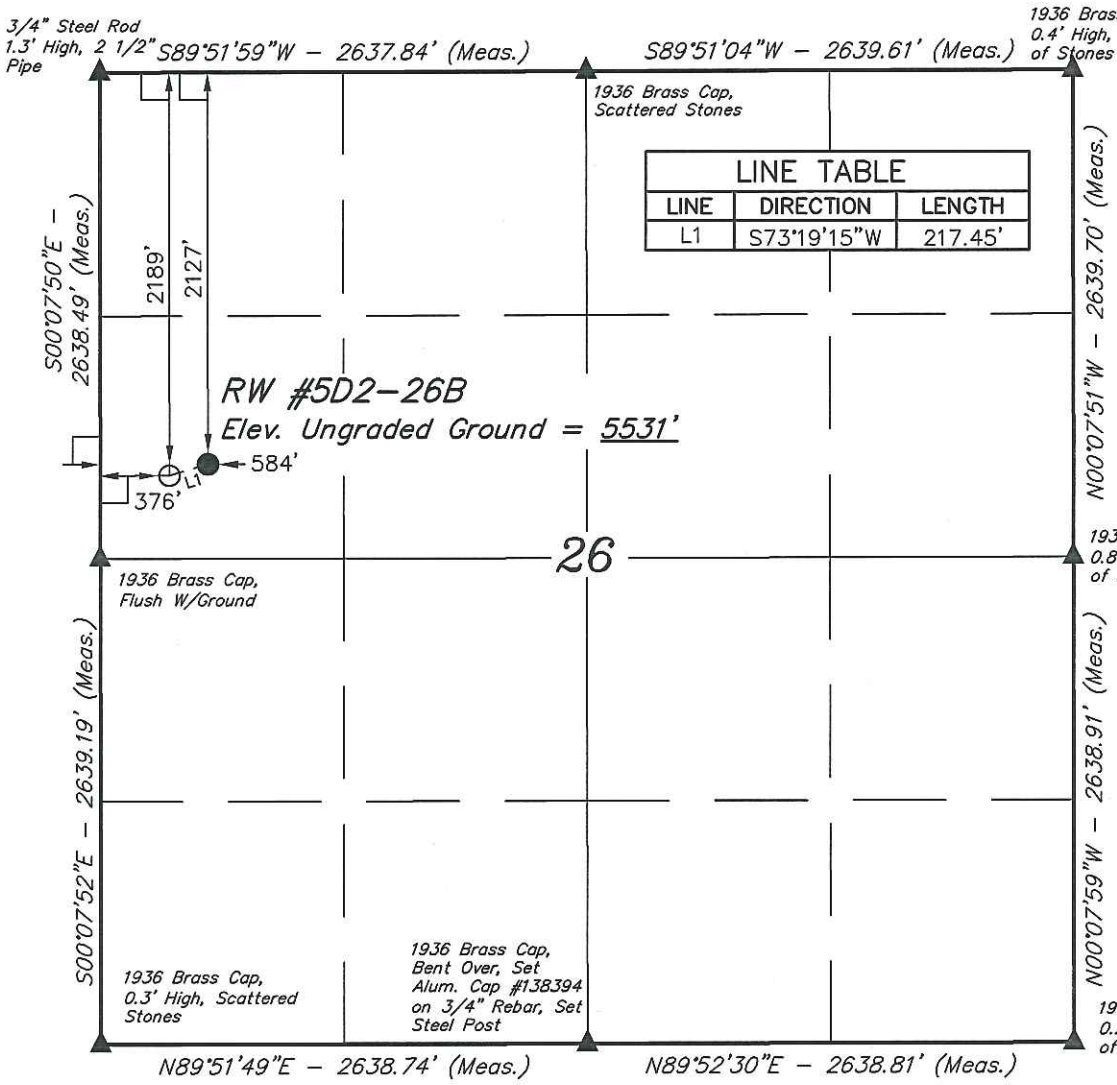
Therefore, based on the above stated information QEP Energy Company requests the permit be granted pursuant to Rule R649-3-11.

Sincerely,

QEP Energy Company

Valyn Davis
Regulatory Affairs Analyst

T7S, R23E, S.L.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S73°19'15"W	217.45'

QEP ENERGY COMPANY

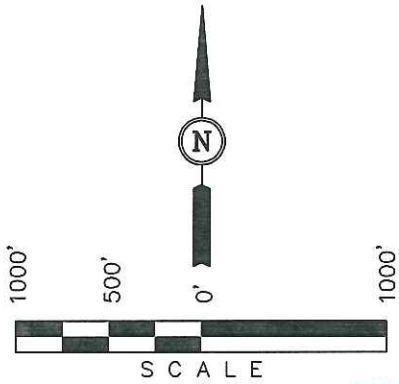
Well location, RW #5D2-26B, located as shown in the SW 1/4 NW 1/4 of Section 26, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH 05-30-12

REV.: 05-30-12 C.A.G.
REV.: 11-02-11 J.I.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 03-11-11	DATE DRAWN: 03-15-11
PARTY: A.F. J.C. K.O.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: QEP ENERGY COMPANY	

LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'54.42" (40.181783)	LATITUDE = 40°10'55.03" (40.181953)
LONGITUDE = 109°18'08.71" (109.302419)	LONGITUDE = 109°18'06.03" (109.301675)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°10'54.55" (40.181819)	LATITUDE = 40°10'55.16" (40.181989)
LONGITUDE = 109°18'06.26" (109.301739)	LONGITUDE = 109°18'03.58" (109.300994)

Sundry Number: 26821 API Well Number: 43047522420000

QEP Energy Company

QEP ENERGY (UT)

Red Wash
RW 12-26B (RW 5D2-26B) Pad
RW 5D2-26B

Original Hole

Plan: Plan ver.0

Standard Planning Report

23 May, 2012

QEP Energy Company

QEP Energy Company

QEP Resources, Inc.
Planning Report

QEP Energy Company

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well RW 5D2-26B
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 5545.50usft (FRONTIER 2)
Project:	Red Wash	**MD Reference:**	RKB @ 5545.50usft (FRONTIER 2)
Site:	RW 12-26B (RW 5D2-26B) Pad	**North Reference:**	True
Well:	RW 5D2-26B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Project Red Wash

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site RW 12-26B (RW 5D2-26B) Pad

Site Position:		**Northing:**	7,242,573.743 usft	**Latitude:**	40.182020
From:	Lat/Long	**Easting:**	2,254,573.481 usft	**Longitude:**	-109.301609
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.41 °

Well RW 5D2-26B

Well Position	**+N/-S**	-24.29 usft	**Northing:**	7,242,549.000 usft	**Latitude:**	40.181953
	+E/-W	-18.63 usft	**Easting:**	2,254,555.458 usft	**Longitude:**	-109.301675
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,529.50 usft	**Ground Level:**	5,529.50 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/10/2012	10.90	66.03	52,360

Design Plan ver.0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	253.32

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,147.03	8.94	274.79	1,145.22	2.91	-34.69	2.00	2.00	0.00	274.79	
2,626.16	8.94	274.79	2,606.38	22.12	-263.75	0.00	0.00	0.00	0.00	
3,222.20	0.00	0.00	3,200.00	26.00	-310.00	1.50	-1.50	0.00	180.00	
8,338.20	0.00	0.00	8,316.00	26.00	-310.00	0.00	0.00	0.00	0.00	
8,571.53	3.50	131.00	8,549.19	21.33	-304.62	1.50	1.50	0.00	131.00	
10,662.24	3.50	131.00	10,636.00	-62.41	-208.30	0.00	0.00	0.00	0.00	

QEP Resources, Inc.
Planning Report

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well RW 5D2-26B
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 5545.50usft (FRONTIER 2)
Project:	Red Wash	**MD Reference:**	RKB @ 5545.50usft (FRONTIER 2)
Site:	RW 12-26B (RW 5D2-26B) Pad	**North Reference:**	True
Well:	RW 5D2-26B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,147.03	8.94	274.79	1,145.22	2.91	-34.69	32.39	2.00	2.00	0.00
2,626.16	8.94	274.79	2,606.38	22.12	-263.75	246.31	0.00	0.00	0.00
3,222.20	0.00	0.00	3,200.00	26.00	-310.00	289.49	1.50	-1.50	0.00
8,338.20	0.00	0.00	8,316.00	26.00	-310.00	289.49	0.00	0.00	0.00
8,571.53	3.50	131.00	8,549.19	21.33	-304.62	285.69	1.50	1.50	0.00
10,662.24	3.50	131.00	10,636.00	-62.41	-208.30	217.44	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW 5D2-26B (RW 5C1-:	0.00	0.00	8,316.00	-28.17	-246.09	7,242,514.790	2,254,310.150	40.181876	-109.302556
- plan misses target center by 83.82usft at 8340.76usft MD (8318.56 TVD, 26.00 N, -310.00 E)									
- Circle (radius 100.00)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
3,500.00	3,477.80	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,741.93	2,721.00	Green River		0.00	
3,513.20	3,491.00	Mahog. Bench		0.00	
5,068.20	5,046.00	Est. base of moderately saline water		0.00	
6,058.20	6,036.00	Wasatch		0.00	
8,338.20	8,316.00	Mesaverde		0.00	
10,562.06	10,536.00	Sego		0.00	

QEP Energy Company

Company Name: QEP ENERGY (UT)

Azimuths to True North
Magnetic North: 10.90°

Magnetic Field
Strength: 52360.4nT
Dip Angle: 66.03°
Date: 5/10/2012
Model: IGRF2010

Project: Red Wash
Site: RW 12-26B (RW 5D2-26B) Pad
Well: RW 5D2-26B
Wellbore: Original Hole
Design: Plan ver.0

WELL DETAILS: RW 5D2-26B

Ground Level: 5529.50

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7242549.000	2254555.458	40.181953	-109.301675	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well RW 5D2-26B, True North
Vertical (TVD) Reference: RKB @ 5545.50usft (FRONTIER 2)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: RKB @ 5545.50usft (FRONTIER 2)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Red Wash

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
RW 5D2-26B (RW 5C1-26B)	8316.00	-28.17	-246.09	7242514.790	2254310.150	Circle (Radius: 100.00)

SECTION DETAILS

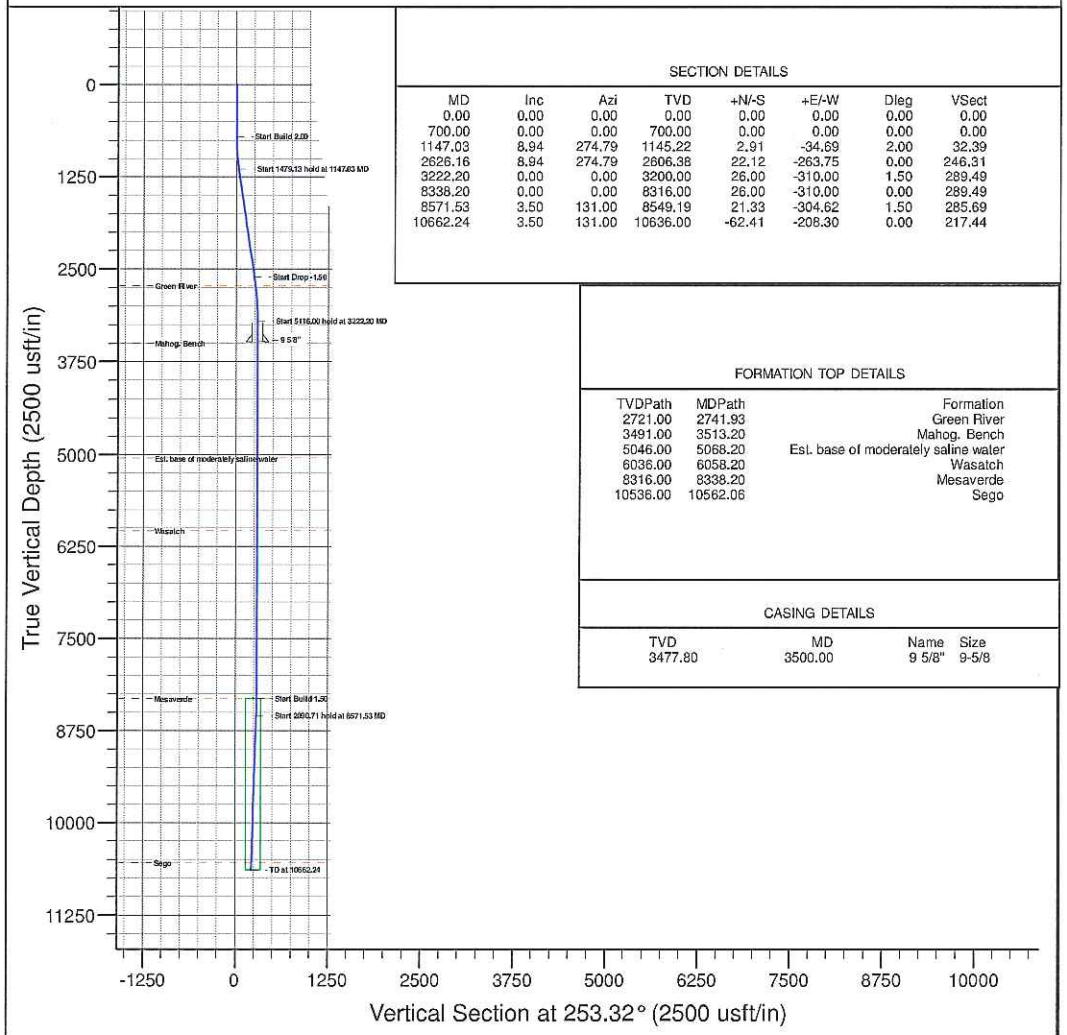
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00
1147.03	8.94	274.79	1145.22	2.91	-34.69	2.00	32.39
2626.16	8.94	274.79	2606.38	22.12	-263.75	0.00	246.31
3222.20	0.00	0.00	3200.00	26.00	-310.00	1.50	289.49
8338.20	0.00	0.00	8316.00	26.00	-310.00	0.00	289.49
8571.53	3.50	131.00	8549.19	21.33	-304.62	1.50	285.69
10662.24	3.50	131.00	10636.00	-62.41	-208.30	0.00	217.44

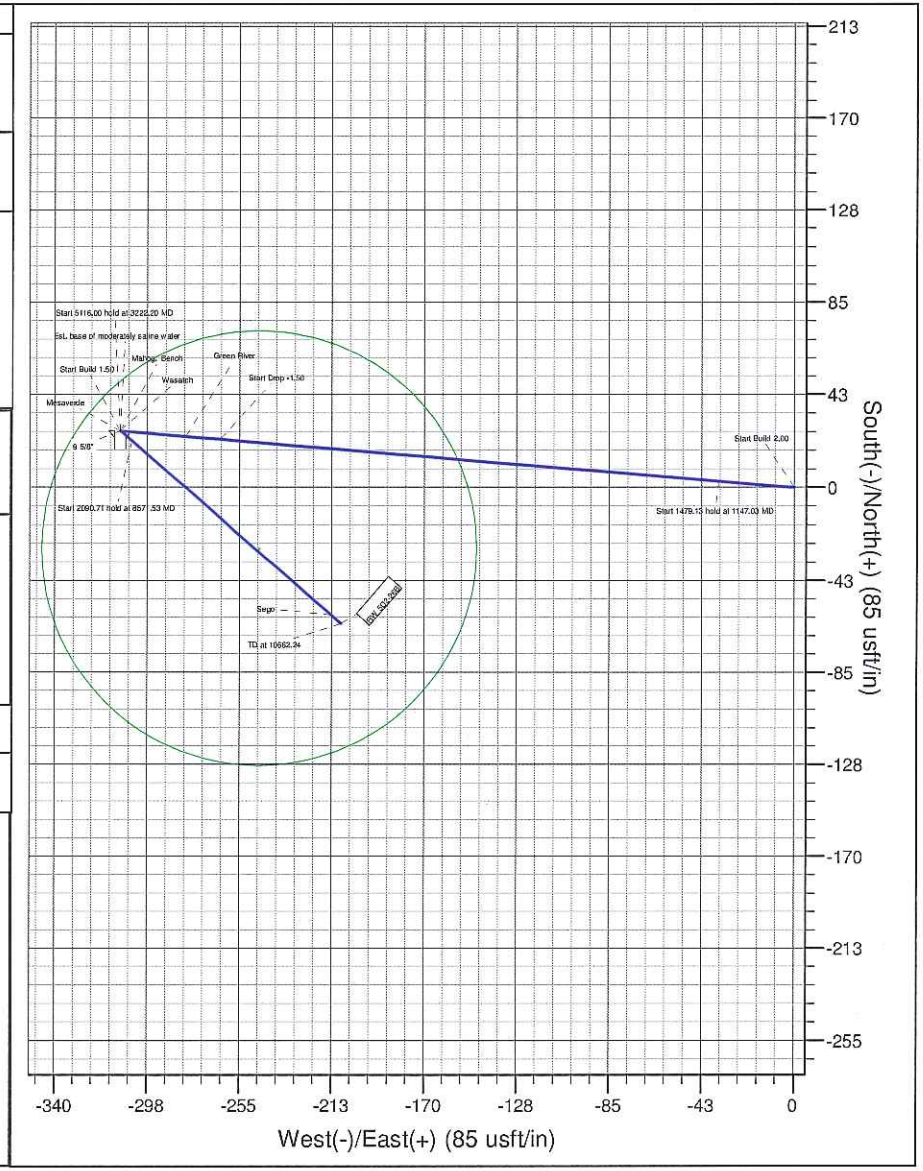
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2721.00	2741.93	Green River
3491.00	3513.20	Mahog. Bench
5046.00	5068.20	Est. base of moderately saline water
6036.00	6058.20	Wasatch
8316.00	8338.20	Mesaverde
10536.00	10562.06	Sego

CASING DETAILS

TVD	MD	Name	Size
3477.80	3500.00	9 5/8"	9-5/8





Sundry Number: 26821 API Well Number: 43047522420000

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# FRONTIER #2
Submitted By MURRAY BECKER Phone Number 435-828-0315
Well Name/Number RED WASH 5D2-26B
Qtr/Qtr SW/NW Section 26 Township 7S Range 23E
Lease Serial Number UTU0566
API Number 43-047-52242

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/30/2012 1200 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☒ Other

RECEIVED
JUN 2 9 2012
DIV. OF OIL, GAS & MINING

Date/Time 7/1/2012 - 11.59 X AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _ ___ AM ☐ PM ☐

Remarks WE WILL START DRILLING CONDUCTOR HOLE ON 6/30/2012. IT WILL TAKE 3 DAYS TO DO THIS, WE WILL RUN 14" PIPE TO 90 FT. AND CEMENT IN PLACE ON 07/02/2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0566

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 5D2-26B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047522420000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2127 FNL 0584 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 26 Township: 07.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 6/30/2012	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ON 06/30/2012- DRILLED 90' OF 14" CONDUCTOR PIPE. CEMENTED WITH READY MIX.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
July 03, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 7/3/2012

RECEIVED: Jul. 03, 2012

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By JIMMY KITTRELL Phone Number 435-828-0315

Well Name/Number RW 5D2-26B
Qtr/Qtr SW/NW Section 26 Township 7 S Range 23 E
Lease Serial Number UTU 0566
API Number 43-047-52242-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time _____ ___ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _ ___ AM ☐ PM ☐

RECEIVED
JUL 11 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE, THESE TIMES WILL BE CLOSE. FOR RIG MOVE TO RW 5D2-26B API # 43-047-52242-00-X1 7/12/12 @ 08:00 AM

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By JIMMY KITTRELL Phone Number 435-828-0315

Well Name/Number RW 5D2-26B
Qtr/Qtr SW/NW Section 26 Township 7 S Range 23 E
Lease Serial Number UTU 0566
API Number 43-047-52242-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 7/13/2012 16:00 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time _____ ___ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time ___ AM ☐ PM ☐

RECEIVED
JUL 12 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE, THESE TIMES WILL BE CLOSE. FOR SPUDDING RW 5D2-26B API # 43-047-52242-00-X1 7/13/2012 @ 16:00 HRS.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By JIMMY KITTRELL Phone Number 435-828-0315

Well Name/Number RW 5D2-26B
Qtr/Qtr SW/NW Section 26 Township 7 S Range 23 E
Lease Serial Number UTU 0566
API Number 43-047-52242-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 7/19/2012 18:00HRS. ___ AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _ ___ AM ☐ PM ☐

RECEIVED
JUL 17 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE WITH LOST CIRC, THESE TIMES WILL BE CLOSE. RUNNING SURFACE CASING & CEMENT TO RW 5D2-26B API # 43-047-52242-00-X1 7/19/2012 @ 18:00 HRS.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By JIMMY KITTRELL Phone Number 435-828-0315

Well Name/Number RW 5D2-26B
Qtr/Qtr SW/NW Section 26 Township 7 S Range 23 E
Lease Serial Number UTU 0566
API Number 43-047-52242-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time _____ ___ AM ☐ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 06:00 7/21/2012 AM ☒ PM ☐

RECEIVED
JUL 20 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE WITH LOST CIRC, RUNNING CASING THESE TIMES WILL BE CLOSE. TEST BOP TO RW 5D2-26B API # 43-047-52242-00-X1 7/21/2012 @ 06:00 HRS.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: QEP ENERGY COMPANY
Operator Account Number: N 3700
Address: 11002 EAST 17500 SOUTH
city VERNAL
state UT zip 84078
Phone Number: (435) 781-4369

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752242	RW 5D2-26B		SWNW	26	7S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	18478	6/30/2012			7/31/2012	
Comments: WMMFD BHL SWNW						CONFIDENTIAL	

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
JUL 23 2012
Div. of Oil, Gas & Mining

Valyn Davis
Name (Please Print)
Valyn Davis
Signature
Regulatory Affairs Analyst
Title
7/3/2012
Date

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0566

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 5D2-26B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047522420000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2127 FNL 0584 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 26 Township: 07.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 8/18/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☑ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THIS WELL COMMENCED PRODUCTION ON AUGUST 18, 2012 @ 8:00 p.m.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 21, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 8/20/2012

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By MURRAY BECKER Phone Number 435-828-0315

Well Name/Number RW 5D2-26B
Qtr/Qtr SW/NW Section 26 Township 7 S Range 23 E
Lease Serial Number UTU 0566
API Number 43-047-52242-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8/05/2012 06:00HRS. ___ AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _ ___ AM ☐ PM ☐

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Remarks IF NO TROUBLE WITH LOST CIRC, WE WILL RUN 4 1/2 CASING AND CEMENT . WE WILL CEMENT AT ABOUT 18:00 ON 08/05/2012

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU0566

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: RED WASH

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: RW 5D2-26B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 4304752242

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4320

10 FIELD AND POOL, OR WILDCAT: RED WASH

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SWNW, 2127' FNL, 584' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SWNW, 2134' FNL, 292' FWL
AT TOTAL DEPTH: SWNW, 2148' FNL, ~~307~~ 310' FWL BHL by HSM

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 26 7S 23E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:		17. ELEVATIONS (DF, RKB, RT, GL):
6/30/2012	8/3/2012	8/4/2012	ABANDONED ☐ READY TO PRODUCE ☑	5529 KB

18. TOTAL DEPTH:	19. PLUG BACK T.D.:	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET:
MD 10,787	MD		MD
TVD 10,757	TVD		TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
TRIPLE COMBO

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 N-80	40	0	3,551		865	372		
7.875	4.5 HCP	11.6	0	10,784		1850	688	990	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	10,592							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESA VERDE	9,750	10,640		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
9,750 10,640	.35	138	Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9750 - 10640	57 BBLS 15% KCL, 7424 BBLS SLICKWATER, 1506 SX 30/50 SAND

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: OPS SUMMARY

30. WELL STATUS: PGW

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(5/2000) (CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
8/18/2012	8/19/2012	24		6	713	447	FLOWS

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
32/64	282	1,038					6	713	447	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	2,653
				MAHOGANY	3,470
				WASATCH	5,509
				MESA VERDE	8,222
				SEGO	10,696

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) VALYN DAVIS TITLE REGULATORY AFFAIRS ANALYST

SIGNATURE Valyn Davis DATE 9/24/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

QEP ENERGY

RED WASH (UTAH)
RW 12-26B (RW 5D2-26B) PAD
RW 5D2-26B - Slot PROP RW 5D2-26B
ORIGINAL WELLBORE

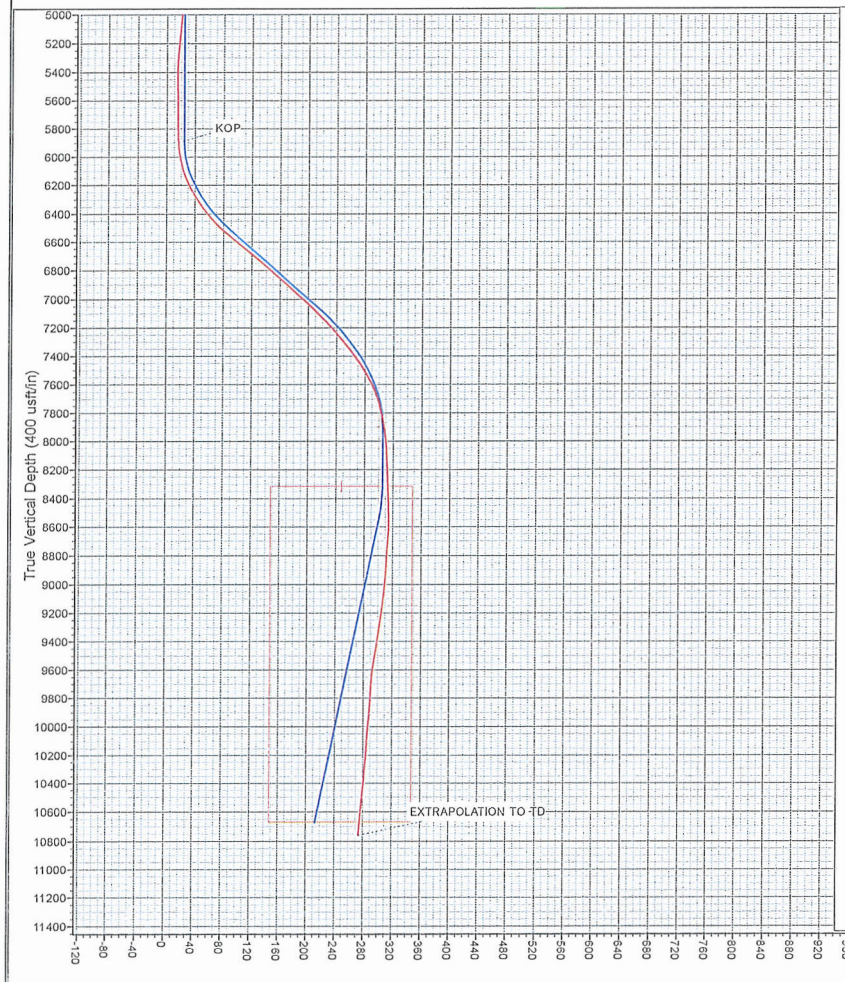
07 August, 2012

Survey: FINAL SURVEYS

QEP Energy Company

Project: RED WASH (UTAH)
Site: RW 12-26B (RW 5D2-26B) PAD
Well: RW 5D2-26B
Wellbore: ORIGINAL WELLBORE
Design: FINAL SURVEYS

total

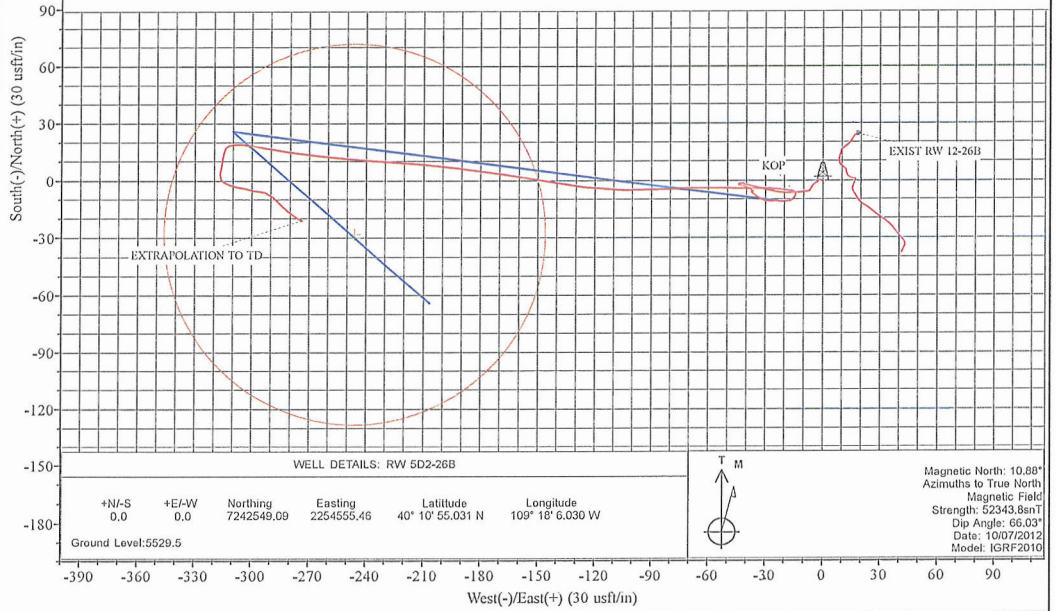


ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
5898.7	5900.0	0.81	276.56	-5.4	-15.7	16.2	89.3	KOP
10757.6	10787.0	1.18	117.14	-21.0	-273.7	274.3	456.0	EXTRAPOLATION TO TD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
RW 5D2-26B	8316.0	-28.2	-246.1	7242514.88	2254310.15	40° 10' 54.752 N	109° 18' 9.201 W



WELL DETAILS: RW 5D2-26B

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	7242549.09	2254555.46	40° 10' 55.031 N	109° 18' 6.030 W

Ground Level:5529.5

Magnetic North: 10.88°
Azimuths to True North
Magnetic Field
Strength: 52343.8snT
Dip Angle: 66.03°
Date: 10/07/2012
Model: IGRF2010

Survey Report

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 5D2-26B - Slot PROP RW 5D2-26B
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Site:	RW 12-26B (RW 5D2-26B) PAD	**MD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Well:	RW 5D2-26B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Project RED WASH (UTAH)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site RW 12-26B (RW 5D2-26B) PAD

Site Position:		**Northing:**	7,242,549.09 usft	**Latitude:**	40° 10' 55.031 N
From:	Lat/Long	**Easting:**	2,254,555.46 usft	**Longitude:**	109° 18' 6.030 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	1.41 °

Well RW 5D2-26B - Slot PROP RW 5D2-26B

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,242,549.09 usft	**Latitude:**	40° 10' 55.031 N
	+E/-W	0.0 usft	**Easting:**	2,254,555.46 usft	**Longitude:**	109° 18' 6.030 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	5,529.5 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/07/2012	10.88	66.03	52,344

Design FINAL SURVEYS

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	263.47

Survey Program **Date** 07/08/2012

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
204.0	10,787.0	FINAL SURVEYS (ORIGINAL WELLBORE	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	5,545.5	0.0	0.0	0.0	0.00	0.00	0.00
204.0	0.31	280.88	204.0	5,341.5	0.1	-0.5	0.5	0.15	0.15	0.00
294.0	0.35	290.37	294.0	5,251.5	0.2	-1.0	1.0	0.08	0.04	10.54
384.0	0.53	255.66	384.0	5,161.5	0.2	-1.7	1.7	0.35	0.20	-38.57
474.0	0.53	231.57	474.0	5,071.5	-0.1	-2.4	2.4	0.25	0.00	-26.77
564.0	0.57	227.00	564.0	4,981.5	-0.7	-3.1	3.1	0.07	0.04	-5.08
652.0	0.44	244.05	652.0	4,893.5	-1.1	-3.7	3.8	0.22	-0.15	19.37
746.0	0.48	234.39	746.0	4,799.5	-1.5	-4.4	4.5	0.09	0.04	-10.28
834.0	0.75	221.73	834.0	4,711.5	-2.2	-5.0	5.2	0.34	0.31	-14.39
923.0	0.66	213.64	923.0	4,622.5	-3.0	-5.7	6.0	0.15	-0.10	-9.09
1,018.0	0.62	214.35	1,018.0	4,527.5	-3.9	-6.3	6.7	0.04	-0.04	0.75
1,112.0	0.62	186.49	1,112.0	4,433.5	-4.8	-6.6	7.1	0.32	0.00	-29.64
1,206.0	1.23	253.99	1,205.9	4,339.6	-5.6	-7.7	8.3	1.22	0.65	71.81

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 5D2-26B - Slot PROP RW 5D2-26B
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Site:	RW 12-26B (RW 5D2-26B) PAD	**MD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Well:	RW 5D2-26B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,301.0	2.72	264.88	1,300.9	4,244.6	-6.1	-10.9	11.5	1.61	1.57	11.46
1,396.0	3.47	267.08	1,395.7	4,149.8	-6.4	-16.0	16.6	0.80	0.79	2.32
1,490.0	3.48	277.63	1,489.6	4,055.9	-6.2	-21.7	22.2	0.68	0.01	11.22
1,586.0	3.30	284.31	1,585.4	3,960.1	-5.1	-27.2	27.7	0.45	-0.19	6.96
1,681.0	3.25	284.31	1,680.3	3,865.2	-3.8	-32.5	32.7	0.05	-0.05	0.00
1,776.0	2.42	282.11	1,775.1	3,770.4	-2.7	-37.1	37.1	0.88	-0.87	-2.32
1,871.0	1.54	284.04	1,870.1	3,675.4	-2.0	-40.3	40.2	0.93	-0.93	2.03
1,966.0	0.53	294.06	1,965.1	3,580.4	-1.5	-41.9	41.8	1.08	-1.06	10.55
2,062.0	0.31	240.71	2,061.1	3,484.4	-1.4	-42.5	42.4	0.44	-0.23	-55.57
2,157.0	0.18	257.15	2,156.1	3,389.4	-1.6	-42.9	42.8	0.15	-0.14	17.31
2,252.0	0.35	263.39	2,251.1	3,294.4	-1.7	-43.4	43.3	0.18	0.18	6.57
2,347.0	0.31	256.62	2,346.1	3,199.4	-1.8	-43.9	43.8	0.06	-0.04	-7.13
2,442.0	0.04	245.64	2,441.1	3,104.4	-1.8	-44.2	44.1	0.29	-0.28	-11.56
2,537.0	0.18	244.05	2,536.1	3,009.4	-1.9	-44.3	44.3	0.15	0.15	-1.67
2,632.0	0.22	56.67	2,631.1	2,914.4	-1.9	-44.3	44.2	0.42	0.04	181.71
2,727.0	0.44	147.64	2,726.1	2,819.4	-2.1	-44.0	43.9	0.52	0.23	95.76
2,823.0	0.57	95.17	2,822.1	2,723.4	-2.4	-43.3	43.3	0.48	0.14	-54.66
2,918.0	1.41	98.16	2,917.0	2,628.5	-2.6	-41.7	41.7	0.89	0.88	3.15
3,013.0	1.85	120.66	3,012.0	2,533.5	-3.6	-39.2	39.3	0.81	0.46	23.68
3,108.0	1.14	125.93	3,107.0	2,438.5	-4.9	-37.1	37.4	0.76	-0.75	5.55
3,202.0	0.22	187.89	3,201.0	2,344.5	-5.7	-36.4	36.8	1.12	-0.98	65.91
3,298.0	0.40	271.12	3,297.0	2,248.5	-5.8	-36.7	37.2	0.45	0.19	86.70
3,393.0	0.13	303.29	3,392.0	2,153.5	-5.8	-37.2	37.6	0.31	-0.28	33.86
3,487.0	0.20	275.67	3,486.0	2,059.5	-5.7	-37.4	37.8	0.11	0.07	-29.38
3,579.0	0.44	133.58	3,578.0	1,967.5	-5.9	-37.3	37.7	0.66	0.26	-154.45
3,675.0	0.44	153.44	3,674.0	1,871.5	-6.5	-36.9	37.4	0.16	0.00	20.69
3,769.0	0.40	128.74	3,768.0	1,777.5	-7.0	-36.5	37.0	0.20	-0.04	-26.28
3,864.0	0.79	131.64	3,862.9	1,682.6	-7.7	-35.7	36.4	0.41	0.41	3.05
3,960.0	0.62	121.01	3,958.9	1,586.6	-8.4	-34.8	35.5	0.22	-0.18	-11.07
4,055.0	0.75	122.68	4,053.9	1,491.6	-9.0	-33.8	34.6	0.14	0.14	1.76
4,150.0	0.92	112.04	4,148.9	1,396.6	-9.6	-32.6	33.5	0.24	0.18	-11.20
4,244.0	1.10	112.66	4,242.9	1,302.6	-10.2	-31.0	32.0	0.19	0.19	0.66
4,340.0	0.40	117.76	4,338.9	1,206.6	-10.7	-29.9	30.9	0.73	-0.73	5.31
4,435.0	0.44	90.16	4,433.9	1,111.6	-10.9	-29.2	30.3	0.21	0.04	-29.05
4,529.0	0.88	87.87	4,527.9	1,017.6	-10.9	-28.2	29.2	0.47	0.47	-2.44
4,624.0	1.05	87.26	4,622.9	922.6	-10.8	-26.6	27.6	0.18	0.18	-0.64
4,719.0	0.83	87.84	4,717.9	827.6	-10.7	-25.0	26.1	0.23	-0.23	0.61
4,814.0	0.75	94.11	4,812.9	732.6	-10.8	-23.7	24.8	0.12	-0.08	6.60
4,909.0	1.05	98.33	4,907.8	637.7	-10.9	-22.2	23.3	0.32	0.32	4.44
5,004.0	1.19	90.60	5,002.8	542.7	-11.1	-20.4	21.5	0.22	0.15	-8.14
5,100.0	1.14	79.96	5,098.8	446.7	-10.9	-18.4	19.6	0.23	-0.05	-11.08
5,195.0	1.10	70.65	5,193.8	351.7	-10.4	-16.6	17.7	0.20	-0.04	-9.80
5,290.0	1.19	43.40	5,288.8	256.7	-9.4	-15.1	16.1	0.58	0.09	-28.68
5,385.0	0.88	6.40	5,383.8	161.7	-8.0	-14.3	15.2	0.76	-0.33	-38.95
5,480.0	0.35	332.65	5,478.7	66.8	-7.0	-14.4	15.1	0.65	-0.56	-35.53
5,576.0	0.31	315.42	5,574.7	-29.2	-6.6	-14.7	15.4	0.11	-0.04	-17.95
5,671.0	0.31	9.03	5,669.7	-124.2	-6.1	-14.9	15.5	0.29	0.00	56.43
5,767.0	0.40	315.51	5,765.7	-220.2	-5.6	-15.0	15.6	0.34	0.09	-55.75
5,852.0	0.09	253.81	5,850.7	-305.2	-5.4	-15.3	15.8	0.43	-0.36	-72.59
KOP										
5,900.0	***0.81***	***276.56***	***5,898.7***	***-353.2***	***-5.4***	***-15.7***	***16.2***	***1.51***	***1.50***	***47.40***
5,957.0	1.67	277.98	5,955.7	-410.2	-5.2	-16.9	17.4	1.51	1.51	2.49
6,053.0	2.94	280.88	6,051.6	-506.1	-4.6	-20.7	21.1	1.33	1.32	3.02

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 5D2-26B - Slot PROP RW 5D2-26B
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Site:	RW 12-26B (RW 5D2-26B) PAD	**MD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Well:	RW 5D2-26B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,148.0	4.39	270.25	6,146.5	-601.0	-4.1	-26.7	27.0	1.68	1.53	-11.19
6,243.0	6.37	270.25	6,241.0	-695.5	-4.1	-35.7	35.9	2.08	2.08	0.00
6,338.0	8.31	270.95	6,335.2	-789.7	-3.9	-47.8	47.9	2.04	2.04	0.74
6,433.0	9.89	269.37	6,429.0	-883.5	-3.9	-62.8	62.8	1.68	1.66	-1.66
6,527.0	12.52	267.87	6,521.2	-975.7	-4.4	-81.1	81.0	2.81	2.80	-1.60
6,622.0	13.71	269.37	6,613.8	-1,068.3	-4.9	-102.6	102.5	1.30	1.25	1.58
6,717.0	14.37	278.42	6,705.9	-1,160.4	-3.3	-125.5	125.1	2.41	0.69	9.53
6,811.0	13.36	279.56	6,797.2	-1,251.7	0.2	-147.8	146.8	1.11	-1.07	1.21
6,906.0	13.54	277.89	6,889.6	-1,344.1	3.6	-169.6	168.1	0.45	0.19	-1.76
7,001.0	13.05	277.36	6,982.0	-1,436.5	6.5	-191.3	189.3	0.53	-0.52	-0.56
7,096.0	11.73	274.82	7,074.8	-1,529.3	8.7	-211.5	209.2	1.50	-1.39	-2.67
7,190.0	11.03	273.41	7,167.0	-1,621.5	10.0	-230.0	227.4	0.80	-0.74	-1.50
7,285.0	9.67	275.08	7,260.4	-1,714.9	11.3	-247.1	244.2	1.47	-1.43	1.76
7,380.0	8.96	275.96	7,354.2	-1,808.7	12.7	-262.4	259.2	0.76	-0.75	0.93
7,475.0	7.87	277.89	7,448.2	-1,902.7	14.4	-276.2	272.7	1.19	-1.15	2.03
7,570.0	6.46	280.00	7,542.4	-1,996.9	16.2	-287.9	284.2	1.51	-1.48	2.22
7,664.0	4.97	280.09	7,635.9	-2,090.4	17.8	-297.1	293.1	1.59	-1.59	0.10
7,759.0	3.30	275.43	7,730.7	-2,185.2	18.8	-303.9	299.7	1.79	-1.76	-4.91
7,854.0	2.46	260.75	7,825.6	-2,280.1	18.8	-308.6	304.5	1.17	-0.88	-15.45
7,949.0	1.89	265.15	7,920.5	-2,375.0	18.3	-312.2	308.1	0.62	-0.60	4.63
8,045.0	1.54	195.45	8,016.5	-2,471.0	16.9	-314.1	310.1	2.06	-0.36	-72.60
8,140.0	1.80	196.42	8,111.4	-2,565.9	14.3	-314.9	311.2	0.28	0.27	1.02
8,235.0	1.63	191.41	8,206.4	-2,660.9	11.5	-315.5	312.2	0.24	-0.18	-5.27
8,330.0	1.58	186.31	8,301.4	-2,755.9	8.9	-316.0	312.9	0.16	-0.05	-5.37
8,426.0	1.71	194.66	8,397.3	-2,851.8	6.2	-316.5	313.7	0.28	0.14	8.70
8,521.0	1.80	181.56	8,492.3	-2,946.8	3.3	-316.9	314.4	0.43	0.09	-13.79
8,617.0	1.10	147.37	8,588.2	-3,042.7	1.0	-316.4	314.2	1.13	-0.73	-35.61
8,712.0	0.79	119.42	8,683.2	-3,137.7	-0.1	-315.3	313.3	0.58	-0.33	-29.42
8,807.0	0.75	120.74	8,778.2	-3,232.7	-0.7	-314.2	312.3	0.05	-0.04	1.39
8,902.0	1.01	119.69	8,873.2	-3,327.7	-1.4	-313.0	311.1	0.27	0.27	-1.11
8,997.0	1.14	108.35	8,968.2	-3,422.7	-2.1	-311.3	309.6	0.26	0.14	-11.94
9,091.0	1.41	107.65	9,062.2	-3,516.7	-2.8	-309.4	307.7	0.29	0.29	-0.74
9,186.0	1.45	99.21	9,157.1	-3,611.6	-3.3	-307.1	305.4	0.23	0.04	-8.88
9,281.0	1.54	99.30	9,252.1	-3,706.6	-3.7	-304.6	303.1	0.09	0.09	0.09
9,375.0	1.67	104.13	9,346.1	-3,800.6	-4.3	-302.0	300.6	0.20	0.14	5.14
9,470.0	1.93	105.19	9,441.0	-3,895.5	-5.0	-299.2	297.8	0.28	0.27	1.12
9,565.0	2.46	96.22	9,536.0	-3,990.5	-5.7	-295.6	294.3	0.66	0.56	-9.44
9,659.0	0.83	110.99	9,629.9	-4,084.4	-6.1	-292.9	291.7	1.78	-1.73	15.71
9,754.0	0.88	129.18	9,724.9	-4,179.4	-6.8	-291.7	290.6	0.29	0.05	19.15
9,849.0	0.97	114.24	9,819.9	-4,274.4	-7.6	-290.4	289.4	0.27	0.09	-15.73
9,943.0	1.27	134.63	9,913.9	-4,368.4	-8.7	-289.0	288.1	0.53	0.32	21.69
10,038.0	1.41	128.57	10,008.8	-4,463.3	-10.2	-287.3	286.6	0.21	0.15	-6.38
10,133.0	1.27	141.92	10,103.8	-4,558.3	-11.7	-285.7	285.2	0.36	-0.15	14.05
10,227.0	1.32	130.06	10,197.8	-4,652.3	-13.2	-284.3	283.9	0.29	0.05	-12.62
10,322.0	1.19	132.43	10,292.8	-4,747.3	-14.6	-282.7	282.5	0.15	-0.14	2.49
10,416.0	1.58	127.77	10,386.7	-4,841.2	-16.1	-281.0	281.0	0.43	0.41	-4.96
10,511.0	1.45	129.62	10,481.7	-4,936.2	-17.6	-279.0	279.2	0.15	-0.14	1.95
10,605.0	1.41	122.94	10,575.7	-5,030.2	-19.0	-277.1	277.5	0.18	-0.04	-7.11
10,699.0	1.19	119.42	10,669.7	-5,124.2	-20.1	-275.3	275.8	0.25	-0.23	-3.74
10,739.0	1.18	117.14	10,709.7	-5,164.2	-20.5	-274.6	275.1	0.12	-0.02	-5.70
EXTRAPOLATION TO TD										
10,787.0	***1.18***	***117.14***	***10,757.6***	***-5,212.1***	***-21.0***	***-273.7***	***274.3***	***0.00***	***0.00***	***0.00***

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 5D2-26B - Slot PROP RW 5D2-26B
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Site:	RW 12-26B (RW 5D2-26B) PAD	**MD Reference:**	KB-EST @ 5545.5usft (Original Well Elev)
Well:	RW 5D2-26B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VERT	0.00	0.00	7,900.0	26.0	-310.1	7,242,567.46	2,254,244.84	40° 10' 55.288 N	109° 18' 10.025 W
- survey misses target center by 7.8usft at 7928.4usft MD (7899.9 TVD, 18.4 N, -311.5 E)									
- Point									
RW 5D2-26B	0.00	0.00	8,316.0	-28.2	-246.1	7,242,514.88	2,254,310.15	40° 10' 54.752 N	109° 18' 9.201 W
- survey misses target center by 78.9usft at 8345.3usft MD (8316.7 TVD, 8.5 N, -316.0 E)									
- Circle (radius 100.0)									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,900.0	5,898.7	-5.4	-15.7	KOP
10,787.0	10,757.6	-21.0	-273.7	EXTRAPOLATION TO TD

Checked By: _____ Approved By: _____ Date: _____

QEP ENERGY

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/12/2012	06:00 - 20:00	14.00	LOC	4	MIRU	RIG DOWN TOP DRIVE, RIG FLOOR, RIG MUD PUMP, GEN HOUSE, LAY OVER DERRICK
	20:00 - 06:00	10.00	LOC	4	MIRU	STRING UP NEW DRILL LINE, RIG DOWN, READY RIG FOR TRUCKS
7/13/2012	06:00 - 20:00	14.00	LOC	4	MIRU	PJSM WITH TRUCKING COMPANY, MOVE HOUSEING, SET IN & RIG UP, MOVE SUBS,PITS,PUMPS,GEN SET, WATER TANK,BAR HOPPER,CAT WALK, PIPE TUBES, GAS BUSTER, DOG HOUSE, DERRICK, TOP DRIVE HOUSE
	20:00 - 06:00	10.00	LOC	4	MIRU	RIG UP, POWER FROM GEN SET TO RIG, RIG UP PUMPS, PITS AND ALL ELECTRICAL, STRING BLOCKS, READY TO RAISE DERRICK
7/14/2012	06:00 - 11:00	5.00	LOC	4	MIRU	RAISE DERRICK, RIG UP STAND PIPE, WELD ON ROT HEAD TO CONDUCTOR, DIG DITCHES, ARANGE BACK YARD FOR AIR PACKAGE, FILL PITS WITH WATER, SET AND RIG UP AIR PACKAGE
	11:00 - 16:30	5.50	RIG	2	MIRU	CHANGE OUT BRAKE BANDS ON DRAWWORK
	16:30 - 06:00	13.50	LOC	4	MIRU	RIG UP TOP DRIVE/KELLY HOSE/SERVICE LOOP, ALL LOWER SUBS, IBOP AND FUNCTION TEST, TROUBLE SHOOT TOP DRIVE TORQUE, RIG UP FLARE LINES
7/15/2012	06:00 - 07:30	1.50	LOC	4	MIRU	RIG UP FLARE LINES, FLOW LINE, PJSM TEST TO 1500 PSI
	07:30 - 19:30	12.00	RIG	2	MIRU	TROUBLE SHOOT TOP DRIVE TORQUE, WAIT ON PARTS
	19:30 - 06:00	10.50	TRP	2	MIRU	PICK UP PIPE STAND IN DERRICK
7/16/2012	06:00 - 17:00	11.00	TRP	2	MIRU	PICK UP DRILL PIPE STAND IN DERRICK WHILE WAIT ON PARTS FOR TOP DRIVE
	17:00 - 06:00	13.00	RIG	2	MIRU	TROUBLE SHOOT TOP DRIVE TORQUE, WAIT ON PARTS
7/17/2012	06:00 - 20:00	14.00	RIG	2	MIRU	TROUBLE SHOOT TOP DRIVE TORQUE, WAIT ON PARTS, REPAIR TOP DRIVE
	20:00 - 23:30	3.50	TRP	1	DRLSUR	PICK UP DIRECTIONAL TOOLS, TEST MOTOR, SCRIBE & MAKE UP BIT
	23:30 - 06:00	6.50	DRL	1	DRLSUR	DRILL FROM 90' TO 1079' = 989' FT. @ 152 FPH, 5-20 K ON BIT, PUMPS 2 X 120 SPM, 675 GPM, SPP 1064 PSI, 55 RPM ON TOP DRIVE, 114 RPM MUD MOTOR, MW 8.4 PPG VIS 29
7/18/2012	06:00 - 11:00	5.00	DRL	2	DRLSUR	DRILL FROM 1079' TO 1550' = 471' FT. @ 94.2 FPH, 5-20 K ON BIT, PUMPS 2 X 110 SPM, 644 GPM, SPP 1264 PSI, 55 RPM ON TOP DRIVE, 109 RPM MUD MOTOR, MW 8.4 PPG VIS 29
	11:00 - 12:30	1.50	RIG	2	DRLSUR	TROUBLE SHOOT TOP DRIVE M/U & B/O TORQUE
	12:30 - 13:00	0.50	RIG	1	DRLSUR	DAILY RIG SERVICE, CROWN, BLOCKS & TOP DRIVE
	13:00 - 22:00	9.00	DRL	2	DRLSUR	DRILL FROM 1550' TO 2503' = 953' FT. @ 105 FPH, 5-20 K ON BIT, PUMPS 2 X 110 SPM, 644 GPM, SPP 1364 PSI, 55 RPM ON TOP DRIVE, 109 RPM MUD MOTOR, MW 9.0 PPG VIS 31
	22:00 - 00:30	2.50	TRP	2	DRLSUR	WIPER TRIP OUT TIGHT HOLE FROM 2421 TO 280 20 TO 35K DRAG
	00:30 - 04:00	3.50	TRP	2	DRLSUR	WIPER TRIP IN WASH REAM ALL BUT 4 STANDS FROM 450' TO 2503
	04:00 - 05:00	1.00	DRL	1	DRLSUR	DRILL FROM 2503' TO 2597' = 94' FT. @ 94 FPH, 5-20 K ON BIT, PUMPS 2 X 110 SPM, 644 GPM, SPP 1364 PSI, 55 RPM ON TOP DRIVE, 109 RPM MUD MOTOR, MW 9.0 PPG VIS 31

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/18/2012	04:00 - 05:00	1.00	DRL	1	DRLSUR	
	05:00 - 06:00	1.00	TRP	2	DRLSUR	P.O.O.H TO FIX ON FLOW LINE
7/19/2012	06:00 - 08:00	2.00	TRP	14	DRLSUR	P.O.O.H TO REPAIR FLOW LINE
	08:00 - 11:30	3.50	REAM	1	DRLSUR	T.I.H TO 1200' & WASH & REAM F/1200 TO 2598'
	11:30 - 15:00	3.50	DRL	2	DRLSUR	DRILL FROM 2597' TO 2830' = 233' FT. @ 66.5 FPH, 5-20 K ON BIT, PUMPS 2 X 100 SPM, 586 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 1000 RPM MUD MOTOR, MW 9.4 PPG VIS 34 10% TO 12% LCM AIR ON @ 2732' 850-1100 CFM
	15:00 - 16:00	1.00	CIRC	1	DRLSUR	CIRCULATE WITH ONE PUMP WHILE CLEAN OUT LCM FROM MUD PUMP
	16:00 - 16:30	0.50	DRL	2	DRLSUR	DRILL FROM 2830' TO 2863' = 33' FT. @ 66 FPH, 5-20 K ON BIT, PUMPS 2 X 100 SPM, 586 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 1000 RPM MUD MOTOR, MW 9.4 PPG VIS 34 10% TO 12% LCM AIR ON 850-1100 CFM TOTAL LOSSES 250 BBSL
	16:30 - 17:30	1.00	CIRC	1	DRLSUR	CIRCULATE WITH ONE PUMP WHILE CLEAN OUT LCM FROM MUD PUMP
	17:30 - 19:30	2.00	DRL	2	DRLSUR	DRILL FROM 2863' TO 2959' = 96' FT. @ 48 FPH, 5-20 K ON BIT, PUMPS 2 X 80 SPM, 586 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 1000 RPM MUD MOTOR, MW 9.4 PPG VIS 34 12% LCM AIR ON 850-1100 CFM TOTAL LOSSES 0 BBSL
	19:30 - 20:00	0.50	CIRC	1	DRLSUR	CIRCULATE WITH ONE PUMP WHILE CLEAN OUT LCM FROM MUD PUMP
	20:00 - 22:00	2.00	DRL	2	DRLSUR	DRILL FROM 2959' TO 3074' = 115' FT. @ 57.5 FPH, 5-20 K ON BIT, PUMPS 2 X 80 SPM, 586 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 1000 RPM MUD MOTOR, MW 9.4 PPG VIS 34 12% LCM AIR ON 850-1100 CFM TOTAL LOSSES 46 BBSL
	22:00 - 22:30	0.50	CIRC	1	DRLSUR	CIRCULATE WITH ONE PUMP WHILE CLEAN OUT LCM FROM MUD PUMP
	22:30 - 06:00	7.50	DRL	2	DRLSUR	DRILL FROM 3074' TO 3380' = 306' FT. @ 40.8 FPH, 5-20 K ON BIT, PUMPS 2 X 100 SPM, 586 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 1000 RPM MUD MOTOR, MW 9.4 PPG VIS 34 12% LCM AIR ON 850-1100 CFM TOTAL LOSSES 30 BBSL
7/20/2012	06:00 - 08:30	2.50	DRL	2	DRLSUR	DRILL FROM 3380' TO 3506' = 126' FT. @ 50 FPH, 5-20 K ON BIT, PUMPS 2 X 80 SPM, 470 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 80 RPM MUD MOTOR, MW 9.4 PPG VIS 31 12% LCM AIR ON 850-1000 CFM TOTAL LOSSES 50 BBSL
	08:30 - 09:30	1.00	CIRC	1	DRLSUR	CIRCULATE WITH ONE PUMP WHILE CLEAN OUT LCM FROM MUD PUMP
	09:30 - 11:00	1.50	DRL	2	DRLSUR	DRILL FROM 3506' TO 3556' = 56' FT. @ 37 FPH, 5-20 K ON BIT, PUMPS 2 X 80 SPM, 470 GPM, SPP 1600 PSI, 55 RPM ON TOP DRIVE, 80 RPM MUD MOTOR, MW 9.4 PPG VIS 31 9% LCM AIR

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/20/2012	09:30 - 11:00	1.50	DRL	2	DRLSUR	ON 350-600 CFM TOTAL LOSSES 43 BBSL
	11:00 - 13:30	2.50	CIRC	1	DRLSUR	CIRCULATE & CONDITION MUD WTIH NO AIR ADD LCM TO 12% PUMP 2 X 80 SPM WITH 100% RETURN
	13:30 - 19:00	5.50	TRP	2	DRLSUR	P.O.O.H TO 3265' BACK REAM F/3265' TO 2691' & P.O.O.H L/D DIRECTIONAL TOOL
	19:00 - 21:30	2.50	TRP	2	DRLSUR	T.I.H, WASH REAM 135' TO BOTTOM
	21:30 - 23:00	1.50	CIRC	1	DRLSUR	CIRCULATE & CONDITION TO RUN CASING
	23:00 - 02:30	3.50	TRP	2	DRLSUR	TRIP OUT TO RUN 9.625 CASING, LAY DOWN JARS, CROSS OVER,MUD MOTOR & BIT
	02:30 - 05:00	2.50	CSG	1	DRLSUR	PJSM R/U CASING CREW, RIG DOWN AIR JAMMER LINES, RIG UP FILL UP LINE
	05:00 - 06:00	1.00	CSG	2	DRLSUR	M/U SHOE TRACK & PUMP THUR OK RUN 9.5/8" CASING FILL EVERY 5 JTS. BREAK CIRCULATE,
7/21/2012	06:00 - 17:00	11.00	CSG	2	DRLSUR	M/U SHOE TRACK & PUMP THUR OK RUN 9.5/8" CASING FILL EVERY 5 JTS. BREAK CIRCULATE, CIRCULATE B/U @ 1000' & 2000' & 3000'[WASH 3 JTS. TO BOTTOM SHOE @ 3553'
	17:00 - 18:30	1.50	CIRC	1	DRLSUR	CIRCULATE & CONDITION HOLE 1.5 B/U W/ 100% RETURN W/ 1 X 100 SPM
	18:30 - 22:00	3.50	CMT	2	DRLSUR	PJSM RIG UP HALLIBURTON TEST LINES TO 3000 PSI BREAK CIRC. W/5 BBLS H2O, PUMP 15 BBLS 20% CACL H2O @ 9.82 #, PUMP 20 BBLS SUPER FLUSH @ 10#, PUMP 5 BBL H20 SPACER, PUMP 30 BBLS CEMENT @ 10.5# 4.19 YIELD 27.09 GA/SKL, PUMP 5 BBLS H2O, PUMP 20 BBLS SUPER FLUSH @ 10#, PUMP 5 BBLS H2O, PUMP 30 BBLS CEMENT @ 10.5# 4.19 YIELD 27.09 GAL/SK, PUMP @ 6 BBLS/MIN PUMP 297 BBLS LEAD CEMENT @ 11# 2.95 YIELD 17.48 GAL/SK, PUMP 53 BBLS TAIL CEMENT @13.5# 1.48 YIELD 6.88 GAL/SK, SHUT DOWN DROP PLUG, WASH PUMP, PUMP 267 BBLS DISPLACEMENT, FINAL LIFT 265 BUMP PLUG @ 972 PSI, CHECK FLOATS 1 BBLS BACK, LOST RETURN AFTER PUMP 22 BBLS OF TAIL CEMENT TOP OF LEAD CEMENT EST @ 2656' +- DOWN FROM SURFACE IF GAGE HOLE
	22:00 - 02:00	4.00	WOT	1	DRLSUR	WAIT ON CEMENT TO TOP OUT, CLEAN PITS
	02:00 - 03:00	1.00	CMT	2	DRLSUR	PJSM, RIG UP 220' 1" PIPE, TOP OUT WITH 22 BBLS, 100 SKS OF 14.8 PPG CEMENT, CEMENT TO SURFACE, FLUSH CONDUCTOR, FLOWLINES AND GAS BUSTER
	03:00 - 06:00	3.00	WOT	1	DRLSUR	WAIT ON TOP OUT CEMENT
7/22/2012	06:00 - 09:00	3.00	WOT	1	DRLSUR	WAIT ON TOP OUT CEMENT
	09:00 - 11:00	2.00	BOP	3	DRLSUR	SLACK OFF CASING, NO DROP, NIPPLE DOWN FLOW LINE, CLEAN CELLAR, CUT CONDUCTOR, LIFT AND CUT CASING, 2.5' FROM BOTTOM OF CELLAR RING
	11:00 - 13:00	2.00	BOP	1	DRLPRO	WELD ON WELL HEAD AND TEST.1500 PSI 15 MIN
	13:00 - 18:00	5.00	BOP	1	DRLPRO	NIPPLE UP BOP's
	18:00 - 23:00	5.00	BOP	2	DRLPRO	PJSM M/U TEST ASSY & TEST BOP, WING VALVES, TOP DRIVE, TIW VALVE, IBOP VALVE, CHOKE MANIFOLD 250 LOW 5MIN, 5,000 HIGH 15 MIN. HYDRIL 250 LOW 2,500 HIGH 15 MIN, TOP DRIVE HOSE, STANDPIPE & BACK TO MUD PUMP 250 LOW 5 MIN 4250 HIGH 15 MIN. TEST CASING TO 1,500 PSI 30 MIN.
	23:00 - 01:00	2.00	TRP	1	DRLPRO	SET WEAR BUSHING, PICK UP BHA AND SCRIBE MWD TOOLS
	01:00 - 03:30	2.50	TRP	2	DRLPRO	TRIP IN TO DRILL SHOE TRACK
	03:30 - 04:30	1.00	DRL	4	DRLPRO	DRILL SHOE TRACK AND 10' OF NEW HOLE
	04:30 - 05:00	0.50	EQT	2	DRLPRO	F.I.T. 166 PSI EMW 9.3 PPG W/8.4 PPG

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/22/2012	05:00 - 06:00	1.00	DRL	2	DRLPRO	DRILL FROM 3556' TO 3659' = 103' FT. @ 103 FPH, 5-20 K ON BIT, PUMPS 2 X 80 SPM, 470 GPM, SPP 1200 PSI, 55 RPM ON TOP DRIVE, 80 RPM MUD MOTOR
7/23/2012	06:00 - 16:00	10.00	DRL	2	DRLPRO	DRILL FROM 3659' TO 4767' = 1108' FT. @ 111 FPH, 5-20 K ON BIT, PUMPS 2 X 85 SPM, 498 GPM, SPP 1375 PSI, 50-55 RPM ON TOP DRIVE, 104 RPM MUD MOTOR
	16:00 - 16:30	0.50	RIG	1	DRLPRO	SERVICE RIG AND TOP DRIVE
	16:30 - 17:30	1.00	RIG	2	DRLPRO	CIRCULATE WITH ONE PUMP WHILE CHANGE VALVES IN MUD PUMP & CHANGE DIE's IN TOP DRIVE PIPE HANDLE
	17:30 - 20:00	2.50	DRL	2	DRLPRO	DRILL FROM 4767' TO 4884' = 117' FT. @ 47 FPH, 5-20 K ON BIT, PUMPS 2 X 85 SPM, 498 GPM, SPP 1375 PSI, 50-55 RPM ON TOP DRIVE, 104 RPM MUD MOTOR
	20:00 - 22:30	2.50	TRP	10	DRLPRO	TOOH TIGHT F/ 4290 TO SHOE @ 3553
	22:30 - 00:00	1.50	TRP	1	DRLPRO	CHANGE MOTOR, SURFACE TEAT MOTOR, MAKE UP BIT,SCRIBE MWD TOOL
	00:00 - 02:00	2.00	TRP	2	DRLPRO	TIH, FILL PIPE @ 2200, & SHOE 3553
	02:00 - 02:30	0.50	RIG	2	DRLPRO	GO THRU PUMP SUCTION LINES BACK FLUSH CHARGER PUMPS
	02:30 - 03:30	1.00	TRP	2	DRLPRO	TIH, TAG BRIDGE @ 4069 WASH REAM TO 4101, SAFTEY REAM 105' TO BOTTOM
	03:30 - 06:00	2.50	DRL	2	DRLPRO	DRILL FROM 4884' TO 5148' = 264' FT. @ 105.6 FPH, 5-13 K ON BIT, PUMPS 2 X 90 SPM, 498 GPM, SPP 1423 PSI, 50-55 RPM ON TOP DRIVE, 105 RPM MUD MOTOR
7/24/2012	06:00 - 08:30	2.50	DRL	3	DRLPRO	DRILL FROM 5148' TO 5275' = 127' FT. @ 51 FPH, 5-13 K ON BIT, PUMPS 2 X 90 SPM, 498 GPM, SPP 1423 PSI, 50-55 RPM ON TOP DRIVE, 105 RPM MUD MOTOR
	08:30 - 09:30	1.00	CIRC	1	DRLPRO	TROUBLE SHOOT MWD & CIRCULATE B/U
	09:30 - 13:00	3.50	TRP	2	DRLPRO	P.O.O.H FOR MWD & BACK REAM F/4060' TO 3550' & P.O.O.H
	13:00 - 13:30	0.50	BOP	2	DRLPRO	FUNCTION BOP's
	13:30 - 14:30	1.00	TRP	1	DRLPRO	CHANGE OUT MWD TOOL & TEST
	14:30 - 15:00	0.50	RIG	1	DRLPRO	SERVICE RIG AND TOP DRIVE
	15:00 - 17:00	2.00	TRP	2	DRLPRO	T.I.H. W/BHA & DRILL PIPE FILL PIPE @ 3560 & 4700'
	17:00 - 17:30	0.50	REAM	1	DRLPRO	WASH REAM F/ 4957 TO 5275 RE-SURVEY LAS T4 STANDS
	17:30 - 03:00	9.50	DRL	2	DRLPRO	DRILL FROM 5275' TO 5814' = 539' FT. @ 56.7 FPH, 15-22 K ON BIT, PUMPS 2 X 90 SPM, 498 GPM, SPP 1500 PSI, 50-55 RPM ON TOP DRIVE, 105 RPM MUD MOTOR
	03:00 - 05:00	2.00	RIG	2	DRLPRO	WORK ON TOP DRIVE WOULD NOT BREAK OUT OF CONNECTION, BREAK OFF SAVER SUB, LAY DOWN JOINT, PICK UP NEW JOINT AND SAVER SUB
	05:00 - 06:00	1.00	DRL	2	DRLPRO	DRILL FROM 5814' TO 5900' = 86' FT. @ 86 FPH, 15-22 K ON BIT, PUMPS 2 X 90 SPM, 498 GPM, SPP 1500 PSI, 50-55 RPM ON TOP DRIVE, 105 RPM MUD MOTOR
7/25/2012	06:00 - 08:30	2.50	CIRC	1	DRLPRO	PUMP SWEEP & CIRCULATE B/U BRING MUD WT. TO 9.4 PPG
	08:30 - 09:30	1.00	TRP	14	DRLPRO	PULL 5 STANDS HOLE NOT TAKING PROPER FILL WELL FLOWING 4 BBLS/HR T.I.H
	09:30 - 11:00	1.50	CIRC	1	DRLPRO	CIRCULATE B/U 6 BBLS GAIN W/7070 UNIT GAS BRING MUD WT. TO 9.6 PPG FLOW CHECK

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/25/2012	11:00 - 13:30	2.50	TRP	14	DRLPRO	25 STANDS SHORT TRIP TO SHOE 3550' & FLOW CHECK FLOWING 4 BBLS/HR T.I.H
	13:30 - 20:30	7.00	CIRC	1	DRLPRO	CIRCULATE B/U 9 BBLS GAIN W/8265 UNIT GAS BRING MUD WT. TO 10.5 PPG B/U MUD WT. CUT TO 9.0 PPG VIS 28 FLOW CHECK
	20:30 - 21:30	1.00	TRP	2	DRLPRO	P.O.O.H FOR WIRELINE LOGS 25 STANDS TO SHOE
	21:30 - 22:00	0.50	CIRC	1	DRLPRO	FLOW CHECK @ SHOE CIRCULATE BOTTOMS UP & SPOT 25 BBLS 12# ECD PILL & PUMP SLUG
	22:00 - 00:00	2.00	TRP	2	DRLPRO	T.O.O.H. PULL ROT RUBBER, LAY DOWN DIRECTIONAL GAP SUB & MWD TOOL
	00:00 - 06:00	6.00	LOG	1	DRLPRO	PJSM, R/U LOGGERS, REBUILD WIRELINE CONNECT, RUN TRIPLE COMBO TO DEPTH OF 5901
7/26/2012	06:00 - 09:00	3.00	LOG	1	DRLPRO	WIRE LINE LOGS, TRIPLE COMBO, AND PICK UP MDT LOG.
	09:00 - 12:00	3.00	WOT	2	DRLPRO	WAIT ON ORDERD TO SEE IF WE ARE GOING TO RUN MDT LOG. TOOL IS TOGETHER AND SETTING AT 200 FT. IN CASED HOLE.
	12:00 - 16:30	4.50	LOG	1	DRLPRO	RUN IN AND LOG WITH MDT LOG.
	16:30 - 18:00	1.50	FISH	5	DRLPRO	TRY TO FREE WIRELINE. BY LINE STRETCH, LINE IS STUCK @ 4300 TO 4700 FT., LOGGING TOOL IS AT 5778 FT. WAIT ON FISHING TOOLS AND FISHER MAN FROM SLAUGH, OUT OF VERNAL UTAH.RIG SHIVE UP IN DERRICK CHANGE OUT BAILS
	18:00 - 01:30	7.50	FISH	5	DRLPRO	WAIT ON FISH TOOLS
	01:30 - 06:00	4.50			DRLPRO	PJSM, SPLICE WIRE LINE TORQUE UP FISHING TOOLS AND TRIP IN HOLE. PICKING UP PIPE OUT OF MOUSE HOLE.
7/27/2012	06:00 - 16:00	10.00	FISH	5	DRLPRO	TRIP IN HOLE WITH OVER SHOT TO RETRIVE MDT LOGGING TOOL. PULL TOOL LOOSE.
	16:00 - 20:30	4.50	FISH	5	DRLPRO	CHANGE OUT LINKS, SPOOL WIRE LINE AND RIG DOWN WIRELINE EQUIPMENT.
	20:30 - 23:30	3.00	FISH	5	DRLPRO	TRIP OUT WITH OVER SHOT AND MDT TOOL.
	23:30 - 00:30	1.00	TRP	4	DRLPRO	PJSM LAY DOWN MDT TOOL AND FISHING TOOLS
	00:30 - 01:30	1.00	DRL	1	DRLPRO	MAKE UP BIT, DIRECTIONALTOOLS AND ORIENT
	01:30 - 03:30	2.00	TRP	2	DRLPRO	TRIP IN HOLE TO 3501
	03:30 - 04:30	1.00	RIG	6	DRLPRO	SLIP AND CUT DRILLING LINE
	04:30 - 06:00	1.50	TRP	2	DRLPRO	TRIP IN HOLE
7/28/2012	06:00 - 12:00	6.00	DRL	2	DRLPRO	DRILL FROM 5900 TO 6196, 49.3 FPH, RUNNING 2 PUMPS AT 80 SPM EACH, 470 GPM, 1600 PUMP PRESSURE, 200 TO 250 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE,. 50 RPM ON TOP DRIVE, 100 MOTOR SPEED = 150 RPM. MUD WT. 9.9, VIS 32, 16 TO 18 K ON BIT.
	12:00 - 13:00	1.00	RIG	1	DRLPRO	SERVICE RIG AND TOP DRIVE.
	13:00 - 06:00	17.00	DRL	1	DRLPRO	DRILL FROM 6196' TO 7144', 55.7 FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,1800 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE,100 MOTOR SPEED= 150 RPM. MUD WT. 9.9,VIS 34, 16 TO 18 K ON BIT
7/29/2012	06:00 - 13:00	7.00	DRL	2	DRLPRO	DRILL FROM 7144' TO 7618', 67.7 FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,1800 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 9.9,VIS 34, 16 TO 18 K ON BIT
	13:00 - 14:00	1.00	RIG	1	DRLPRO	SERVICE RIG AND TOP DRIVE.
	14:00 - 06:00	16.00	DRL	2	DRLPRO	DRILL FROM 7618' TO 8347', 45.5' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,1850 PSI, 250 TO 350 PSI DIFF. PRESSURE.

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/29/2012	14:00 - 06:00	16.00	DRL	2	DRLPRO	MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 9.9,VIS 34, 18 TO 20 K ON BIT
7/30/2012	06:00 - 12:30	6.50	DRL	2	DRLPRO	DRILL FROM 8347' TO 8760', 63.5' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,1950 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 9.9,VIS 34, 20 TO 22 K ON BIT.
	12:30 - 13:00	0.50	RIG	1	DRLPRO	SERVICE RIG AND TOP DRIVE.
	13:00 - 01:00	12.00	DRL	2	DRLPRO	DRILL FROM 8760' TO 9518', 63.1 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,1950 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 9.9,VIS 34, 20 TO 22 K ON BIT.
	01:00 - 02:00	1.00	CIRC	1	DRLPRO	PUMP HIGH VIS. SWEEP CIRCULATE BOTTOMS UP (BUILD SLUG)
	02:00 - 03:30	1.50	REAM	1	DRLPRO	BACK REAM F/ 9518 TO 8489
	03:30 - 04:30	1.00	TRP	2	DRLPRO	TRIP OUT OF HOLE FOR MOTOR, BIT AND CHANGE BATTERIES FOR MWD TOOL
	04:30 - 06:00	1.50	REAM	1	DRLPRO	BACK REAM TIGHT HOLE AT 7974 TO 7880
7/31/2012	06:00 - 11:00	5.00	TRP	2	DRLPRO	TRIP OUT FOR MUD MOTOR AND BIT.
	11:00 - 13:00	2.00	TRP	1	DRLPRO	HANDEL BHA, CHANGE BIT, MUD MOTOR, GAP SUB, CHANGE BATTERYS IN MWD.
	13:00 - 17:30	4.50	TRP	2	DRLPRO	TRIP IN HOLE.
	17:30 - 18:00	0.50	REAM	1	DRLPRO	SAFETY WASH AND REAM 96 FT. TO BOTTOM
	18:00 - 20:30	2.50	DRL	1	DRLPRO	DRILL FROM 9518' TO 9612', 37.6 ' FPH, RUNNING 2 PUMPS AT 75 SPM EACH,440 GPM,1800 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.3,VIS 35, 16 TO 18 K ON BIT.
	20:30 - 21:30	1.00	TRP	13	DRLPRO	TRIP OUT 9 STANDS TO GET MWD TOOL WORKING
	21:30 - 22:30	1.00	TRP	13	DRLPRO	TRIP IN HOLE
	22:30 - 06:00	7.50	DRL	2	DRLPRO	DRILL FROM 9612' TO 9897', 38 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.5,VIS 35, 18 TO 20 K ON BIT.
8/1/2012	06:00 - 13:00	7.00	DRL	2	DRLPRO	DRILL FROM 9897' TO 10118', 31.5 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.5,VIS 35, 18 TO 20 K ON BIT.
	13:00 - 14:00	1.00	RIG	1	DRLPRO	SERVICE TOP DRIVE AND RIG.
	14:00 - 22:00	8.00	RIG	2	DRLPRO	RIG REPAIR. TOP DRIVE WON'T TURN. CHANGE THE ENCODER, CHANGED ISOLATOR, AND FAN MOTOR FOR TOP DRIVE.
	22:00 - 22:30	0.50	DRL	3	DRLPRO	WORK PIPE TO RESET MWD TOOL
	22:30 - 06:00	7.50	DRL	1	DRLPRO	DRILL FROM 10118' TO 10370', 33.6 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.5,VIS 35, 18 TO 20 K ON BIT.
8/2/2012	06:00 - 11:00	5.00	DRL	2	DRLPRO	DRILL FROM 10370' TO 10464', 19 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE.

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/2/2012	06:00 - 11:00	5.00	DRL	2	DRLPRO	MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.5,VIS 35, 18 TO 20 K ON BIT.
	11:00 - 11:30	0.50	OTH		DRLPRO	LOG GAMMA FROM 10400 TO 10464'.
	11:30 - 17:00	5.50	DRL	2	DRLPRO	DRILL FROM 10464' TO 10559', 17.3 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.5,VIS 35, 18 TO 20 K ON BIT.
	17:00 - 18:00	1.00	OTH		DRLPRO	LOG GAMMA FROM 10464' TO 10559'.
	18:00 - 21:00	3.00	DRL	1	DRLPRO	DRILL FROM 10559' TO 10653', 31.3 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.5,VIS 35, 18 TO 20 K ON BIT.
	21:00 - 22:00	1.00	OTH		DRLPRO	LOG GAMMA FROM 10559' to 10653'
	22:00 - 01:00	3.00	DRL	1	DRLPRO	DRILL FROM 10653' TO 10716', 21 ' FPH, RUNNING 2 PUMPS AT 80 SPM EACH,470 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 100 MOTOR SPEED= 150 RPM. MUD WT. 10.7,VIS 35, 18 TO 20 K ON BIT.
	01:00 - 02:00	1.00	OTH		DRLPRO	LOG GAMMA FROM 10653' to 10716'
	02:00 - 03:00	1.00	CIRC	1	DRLPRO	PUMP HIGH VIS. SWEEP CIRCULATE OUT
	03:00 - 06:00	3.00	DRL	1	DRLPRO	DRILL FROM 10716' TO 10776', 20 ' FPH, RUNNING 2 PUMPS AT 75 SPM EACH,440 GPM,2000 PSI, 250 TO 350 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 92 MOTOR SPEED= 142 RPM. MUD WT. 10.7,VIS 35, 18 TO 20 K ON BIT.
8/3/2012	06:00 - 07:00	1.00	OTH		DRLPRO	LOG GAMMA AT 10747 TO 10776.
	07:00 - 08:00	1.00	DRL	2	DRLPRO	DRILL FROM 10776 TO 10787.
	08:00 - 16:30	8.50	CIRC	1	DRLPRO	CIRCULATE SAMPLES, PUMP HI VIS SWEEP. CIRCULATE GAS. RAISE MUD WT. FROM 10.6 TO 11.1
	16:30 - 18:30	2.00	TRP	14	DRLPRO	SHORT TRIP 15 STANDS TO 9400 FT.
	18:30 - 21:00	2.50	CIRC	1	DRLPRO	PUMP HIGH VIS. SWEEP CIRCULATE OUT
	21:00 - 02:00	5.00	TRP	2	DRLPRO	PUMP OUT 5 STANDS AND PUMP PILL TRIP OUT HOLE FOR LOG
	02:00 - 03:00	1.00	CIRC	1	DRLPRO	MIX AND SPOT ECD PILL AT SHOE
	03:00 - 04:30	1.50	TRP	2	DRLPRO	TRIP OUTOF HOLE FOR LOGS
	04:30 - 05:30	1.00	DRL	2	DRLPRO	LAY DOWN DIRECTIONAL TOOLS
	05:30 - 06:00	0.50	LOG	1	DRLPRO	PJSM RIG UP TRU -BIT FOR WIRE LINE LOGS
8/4/2012	06:00 - 11:30	5.50	LOG	1	EVALPR	WIRE LINE LOGS. TRIPLE COMBO. LOGS STOPPED AT 9986 FT.
	11:30 - 15:00	3.50	TRP	2	EVALPR	PICK UP THRU BIT AND TOOLS AND TRIP IN. RABBIT PIPE
	15:00 - 16:00	1.00	CIRC	1	EVALPR	CIRCULATE BOTTOMS UP AT SHOE, FLAIR GAS.
	16:00 - 17:30	1.50	TRP	2	EVALPR	TRIP IN WITH THRU BIT TOOL
	17:30 - 19:30	2.00	CIRC	1	EVALPR	CIRCULATE GAS AT 7187. FLARE GAS
	19:30 - 21:00	1.50	TRP	2	EVALPR	TRIP IN HOLE PICK UP 6 JOINTS
	21:00 - 21:30	0.50	REAM	1	EVALPR	REAM 30 ' TO BOTTOM
	21:30 - 23:00	1.50	CIRC	1	EVALPR	CIRCULATE BOTTOMS UP. FLARE GAS
	23:00 - 02:30	3.50	LOG	1	EVALPR	PJSM THRU BIT LOGGING, R/U SIDE ENTERY, M/U TOOLS & RIH TO 10,692' LOG UP TO 10375'
	02:30 - 03:30	1.00	OTH		EVALPR	CHANGE OUT SAVER SUB

QEP ENERGY

Operations Summary Report

Legal Well Name: RW 5D2-26B
Common Well Name: RW 5D2-26B
Event Name: DRILLING
Contractor Name: Frontier Drilling
Rig Name: FRONTIER

Start: 7/12/2012
Rig Release: 8/6/2012
Rig Number: 2

Spud Date: 7/16/2012
End: 8/6/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/4/2012	03:30 - 06:00	2.50	LOG	1	EVALPR	PJSM THRU BIT LOGGING, FROM 10692 TO 9459' R/U SIDE ENTERY &RETRIEVE LOGGING TOOL L/D TOOLS & SIDE ENTERY,
8/5/2012	06:00 - 08:00	2.00	LOG	1	EVALPR	RETREIVE AND LAY DOWN LOGGING TOOL
	08:00 - 09:00	1.00	TRP	2	EVALPR	TRIP IN BOTTOM.
	09:00 - 13:00	4.00	CIRC	1	CSGPRO	CIRCULATE ON BOTTOM TO LAY DOWN DRILL PIPE AND RUN CASING.
	13:00 - 18:00	5.00	TRP	3	CSGPRO	PJSM, RIG UP LAY DOWN CREW, AND LAY DOWN DRILL PIPE.
	18:00 - 18:30	0.50	RIG	1	CSGPRO	RIG SERVICE
	18:30 - 19:30	1.00	TRP	3	CSGPRO	PJSM LAY DOWN DRILL PIPE
	19:30 - 20:00	0.50	CIRC	1	CSGPRO	SPOT ECD PILL AT 3400
	20:00 - 00:00	4.00	TRP	3	CSGPRO	LAY DOWN DRILL PIPE,COLLARS AND JARS
	00:00 - 02:30	2.50	CSG	1	CSGPRO	PJSM RIG CASING CREW
	02:30 - 06:00	3.50	CSG	2	CSGPRO	MAKE SHOE TRACK AND CRIC TRACK ,RUN 4 1/2 , 11.6# LT&C HCP-I
8/6/2012	06:00 - 07:00	1.00	CIRC	1	CSGPRO	CIRCULATE BU AT 3500 FT.. 4 1/2 CASING.
	07:00 - 10:00	3.00	CSG	2	CSGPRO	RUN 4 1/2 CASING
	10:00 - 11:00	1.00	CIRC	1	CSGPRO	CIRCULATE AT 7500 FT.
	11:00 - 13:30	2.50	CSG	2	CSGPRO	RUN 4 1/2 CASING.
	13:30 - 17:30	4.00	CIRC	1	CSGPRO	CIRCULATE CASING ON BOTTOM AT 6 BBLS. A MIN. RAN 232 JTS, OF 4 1/2, 11.60#, LT&C, HCP-110 CASING. LANDED AT 10785 RKB.
	17:30 - 21:30	4.00	CMT	2	CSGPRO	PJSM, RIG UP HOWCO. AND CEMENT.FILL LINES 3 BBLS WATER, PRESURE TEST TO 5,000PSI,PUMP 20 BBLSTUNESPACER 11.1#6.24 YIELD 40.76 GAL/SK PUMP 488 BBLS LEAD CMT 1100SKS 11.5# 2.49 YIELD 13.99 GAL/SK, PUMP 200 BBLS TAIL CMT 750 SKS 13.5# 1.5 YIED 7.04 GAL/SK PUMP 167 BBLS KCL DISPLACEMENT@ 8.4 LAND PLUG 1000PSI OVER FINAL CIRC. PRESSURE
	21:30 - 22:30	1.00	CMT	1	CSGPRO	RIG DOWN CEMENTER, FLUSH OUT STACK FLOW LINE GAS BUSTER WITH SUGER WATER
	22:30 - 02:30	4.00	BOP	1	CSGPRO	PJSM R/U WINCHES, NIPPLE DOWN BOP, LIFT STACK, SET SLIPS 155K, CUT OFF R/D WINCHES L/D CSG, LINKS ELEVATORS
	02:30 - 06:00	3.50	LOC	7	CSGPRO	CLEAN MUD TANKS. RIG RELEASED AT 06:00 08/06/2012

Sundry Number: 67178 API Well Number: 43047522420000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU0566

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
RED WASH

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
RW 5D2-26B

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

9. API NUMBER:
43047522420000

3. ADDRESS OF OPERATOR:
11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER:
303 595-5919 Ext

9. FIELD and POOL or WILDCAT:
RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2127 FNL 0584 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 26 Township: 07.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/2/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	✓ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP Energy Company requests approval to recomplete the RW 5D2-26B by adding perforations to the Mesaverde formation. See attached procedure.

Accepted by the Utah Division of Oil, Gas and Mining

Date: October 22, 2015

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent
SIGNATURE		**DATE**
N/A		10/21/2015

RECEIVED: Oct. 21, 2015

QEP Energy requests approval to recomplete the RW 5D2-26B by adding perforations to the Mesaverde formation as follows:

1. Set CFP at 9,736'.
2. Stage 1
    a. 9,772'- 9,725', 3spf, frac with slick water
    b. 9,696'-9,698', 3spf, frac with slick water
    c. 9,624'-9,626', 3spf, frac with slick water
    d. 9,565'-9,568', 3spf, frac with slick water
    e. 9,543'-9,546', 3spf, frac with slick water
    f. 9,528'-9,531', 3spf, frac with slick water
3. Set CFP at 9,514'.
4. Stage 2
    a. 9,492'-9,494', 3spf, frac with slick water
    b. 9,480'-9,482', 3spf, frac with slick water
    c. 9,450'-9,452', 3spf, frac with slick water
    d. 9,434'-9,436', 3spf, frac with slick water
    e. 9,396'-9,398', 3spf, frac with slick water
    f. 9,367'-9,370', 3spf, frac with slick water
    g. 9,324'-9,327', 3spf, frac with slick water
5. Set CFP at 9,310'.
6. Stage 3
    a. 9,286'-9,290', 3spf, frac with slick water
    b. 9,252'-9,254', 3spf, frac with slick water
    c. 9,178'-9,180', 3spf, frac with slick water
    d. 9,168'-9,170', 3spf, frac with slick water
    e. 9,142'-9,145', 3spf, frac with slick water
    f. 9,110'-9,113', 3spf, frac with slick water
7. Drill up top two plugs and return well to production.
8. Return to drill up the bottom plug and restore existing production after the frac fluid is recovered.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU0566

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
RED WASH

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
RW 5D2-26B

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

9. API NUMBER:
43047522420000

3. ADDRESS OF OPERATOR:
11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER:
303 595-5919 Ext

9. FIELD and POOL or WILDCAT:
RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2127 FNL 0584 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 26 Township: 07.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 11/26/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☑ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP Energy Company re-perforated the RW 5D2-26B Mesaverde formation. A short summary of the additional performations is as follows: Stage 1 - 9110'-9290' (48 shots), Stage 2 - 9234'-9494' (48 shots), Stage 3 - 9523'-9725' (48 shots). The frac used 25,908 bbls slickwater and 710,900 lbs. proppant sand. The well was returned to production on 11/26/2015. Please see the attached performation summary and daily report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 06, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Abrams	303 260-6745	Sr. Regualtory Affairs Analyst
SIGNATURE		**DATE**
N/A		12/17/2015

RECEIVED: Dec. 17, 2015

RW 5D2-26B

AFE - DRL-CT (Completion), 8/7/2012 06:00

Well Name	Primary Job Type	Secondary Job Type	Objective	Start Date	Job End Date
RW 5D2-26B	AFE - DRL-CT (Completion)	DEVELOPMENT	AFE	8/7/2012	8/18/2012

RPT #	End Date	Cum Time Log (days)	Current Ops	Summary	Time Log Hrs (hr)	Created By
1	8/8/2012 06:00	0.33	INSTALLED TBG.HEAD AND FRAC VALVE AND RAN A CBL/VDL/GR LOG FROM TAG AT 10709' TO SURFACE. PRESSURE T	INSTALLED A TBG.HEAD AND FRAC VALVE. RAN A GAUGE RING AND CBL/VDL/GR LOG FROM TAG AT 10709' TO SURFACE. PRESSURE TESTED CSG.AND VALVE TO 7500#-OK. PERFORATE ZONE #1 10630-40'.	8.00	DFW_WV310User
2	8/9/2012 06:00	0.41	PERFORM DFIT TEST ON PERFORATED MV INTERVAL 10630-40' USING A TOTAL OF 37 BBL.OF 2% KCL WATER. DATA	PERFORM DFIT TEST ON PERFORATED MV INTERVAL 10630-40' USING A TOTAL OF 37 BBL.OF 2% KCL WATER. DATA WILL BE COLLECTED UNTIL NOON OF 8/13/12 AT WHICH TIME THE RECORDERS WILL BE PULLED AND DOWNLOADED.	1.75	DFW_WV310User
3	8/13/2012 06:00	1.41	PULLED DFIT MONITORING PRESSURE GAUGES AT 1:00PM ON 8/13/12.	PULLED DFIT GAUGES AT 1:00PM ON 8/13/12 AND SI WELL PENDING FRAC WORK ON 8/16/12.	24.00	DFW_WV310User
4	8/15/2012 06:00	1.66	WELL IS SI PENDING FRAC AND ACID WORK	INSTALL FRAC HEAD ASSEMLY AND TEST TO 7500#. OK. PERFORATE INTERVAL 10610-16'. SI WELL.	6.00	DFW_WV310User
5	8/16/2012 06:00	2.03	WELL IS SI PENDING COMPLETION RIG	FRAC 2 MV ZONES AND ACIDIZE AN ADDITIONAL MV ZONE	9.00	DFW_WV310User
6	8/17/2012 06:00	2.57	DRILL OUT PLUGS AND LAND TBG.	DRILL OUT PLUGS AND LAND TBG.	13.00	DFW_WV310User
7	8/18/2012 06:00	3.11	DRILL OUT PLUGS AND LAND TBG.	DRILL OUT PLUGS AND LAND TBG.	13.00	DFW_WV310User

AFE - REC (Recomplete), 11/14/2015 06:00

Well Name	Primary Job Type	Secondary Job Type	Objective	Start Date	Job End Date
RW 5D2-26B	AFE - REC (Recomplete)		Recomplete	11/14/2015	11/28/2015

RPT #	End Date	Cum Time Log (days)	Current Ops	Summary	Time Log Hrs (hr)	Created By
1	11/15/2015 06:00					10791
2	11/17/2015 06:00	0.52	Road rig 1mile to location	11/16/2015: Road rig 1 mile. MIRU, Bleed well down to production tank. ND wellhead. NU Bop's, Pull tbg hanger, POOH w/ production tbg.	12.50	tempmcclure
3	11/18/2015 06:00	1.06	Continue to RIH w/ scrapper	11/17/2015: RIH w/ 142 jts to put scrapper to 9836' POOH and LD tbg and scrapper, ND bop's NU frac tree. SWI, Rack out equipment. RDMO.	13.00	tempmcclure
4	11/20/2015 06:00	1.06		HAULED 4-1000 BBL TANKS AND 7-500 BBL TANKS		50379
5	11/22/2015 06:00	1.40	MIRU wire line	11/21/15: RIH with 4 1/2" Halliburton 15k CFP. Set plug @9736". MIRU hot oilier to casing and fill hole with 130 bbl's of 2% kcl water. Pressure test to 8550 #psi on casing and frac tree for 10 min. Good test. Bleed well off. RIH with 3 1/8" gun, 3 SPF, 120 phasing. Shoot new perfs from 9523'-9721'. Correlate to Lone Wolf CBL//GR//CCL dated 8/8/12. 0 Pressure increase on well bore. Shut well in for frac. RD wire line. SDFN	8.00	temptwilliams
6	11/25/2015 06:00	2.25	MIRU Nasco FBE, Cutters ELU and HES frac equipment.	MIRU Nasco FBE, Cutters ELU and HES frac equipment. Prime up and test HES lines to 8,200 psi. Good test. Frac stage #1. Plug, perf and frac stages #2 and #3. Set kill plug at 5,000'. Bleed pressure off and SIW. RDMO Nasco FBE, Cutters ELU and HES frac equipment. Turn well over to production group for drill out. Job complete.	20.50	seiffert.contractor

RECEIVED: Dec. 17, 2015

RW 5D2-26B

RPT #	End Date	Cum Time Log (days)	Current Ops	Summary	Time Log Hrs (hr)	Created By
7	11/26/2015 06:00	2.79	MIRU Basin #3	11/25/2015: MIRU Basin #3, ND Frac tree, NU Bop's RIH w/ Mill & pump off bit sub, 1.81 F-nipple Tag Kill plug @ 5022' Circulation , Pressure test Bop's to 4000# no leaks, Drill out kill plug to 1500# kick, RIH w/ tbg w/ EOT @ 7434 Shut tbg in , Turn casing over to Weatherford flow back. SDFN	13.00	tempmcclure
8	11/28/2015 06:00	3.29	PU tbg	11/27/2015: RIH w/ tbg , Tag frac plug @ 9315' Drill out in 18 min's. Tag 2nd frac plug @ 9515' Drill up in 20 min's RIH w/ tbg and tag fill @ 9600' Clean out to 15k plug @ 9736' Roll hole clean LD 21 jts Land well w/ EOT @ 9062' ND bops NU well head Tbg is shut in, casing is Turn over to Weatherford flow back. RDMO,	12.00	tempmcclure
9	12/1/2015 06:00	3.29		REPAIRS AND MAINTENANCE		50379
10	12/5/2015 06:00	3.29		5 RUNS SWAB BACK 261 BBLS		50379
11	12/6/2015 06:00	3.29		12/5/2015 19 RUNS 250 BBLS 12/6/2015 20 RUNS 409 BBLS		50379

RECEIVED: Dec. 17, 2015

Daily Summary

Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	KB to CF (ft)	Spud Date	Dry Hole TD Date
UT101979	5,513.5	5,513.50	16.00	16.00	7/16/2012 23:30	8/6/2012 06:00

RPT #	Start Date	End Date	Summary
1	11/14/2015	11/15/2015	
2	11/16/2015	11/17/2015	11/16/2015: Road rig 1 mile. MIRU, Bleed well down to production tank. ND wellhead. NU Bop's, Pull tbg hanger, POOH w/ production tbg.
3	11/17/2015	11/18/2015	11/17/2015: RIH w/ 142 jts to put scrapper to 9836' POOH and LD tbg and scrapper, ND bop's NU frac tree. SWI, Rack out equipment. RDMO.
4	11/19/2015	11/20/2015	HAULED 4-1000 BBL TANKS AND 7-500 BBL TANKS
5	11/21/2015	11/22/2015	11/21/15: RIH with 4 1/2" Halliburton 15k CFP. Set plug @9736". MIRU hot oilier to casing and fill hole with 130 bbl's of 2% kcl water. Pressure test to 8550 #psi on casing and frac tree for 10 min. Good test. Bleed well off. RIH with 3 1/8" gun, 3 SPF, 120 phasing. Shoot new perfs from 9523'-9721'. Correlate to Lone Wolf CBL//GR//CCL dated 8/8/12. 0 Pressure increase on well bore. Shut well in for frac. RD wire line. SDFN
6	11/24/2015	11/25/2015	MIRU Nasco FBE, Cutters ELU and HES frac equipment. Prime up and test HES lines to 8,200 psi. Good test. Frac stage #1. Plug, perf and frac stages #2 and #3. Set kill plug at 5,000'. Bleed pressure off and SIW. RDMO Nasco FBE, Cutters ELU and HES frac equipment. Turn well over to production group for drill out. Job complete.
7	11/25/2015	11/26/2015	11/25/2015: MIRU Basin #3, ND Frac tree, NU Bop's RIH w/ Mill & pump off bit sub, 1.81 F-nipple Tag Kill plug @ 5022' Circulation , Pressure test Bop's to 4000# no leaks, Drill out kill plug to 1500# kick, RIH w/ tbg w/ EOT @ 7434 Shut tbg in , Turn casing over to Weatherford flow back. SDFN
8	11/27/2015	11/28/2015	11/27/2015: RIH w/ tbg , Tag frac plug @ 9315' Drill out in 18 min's. Tag 2nd frac plug @ 9515' Drill up in 20 min's RIH w/ tbg and tag fill @ 9600' Clean out to 15k plug @ 9736' Roll hole clean LD 21 jts Land well w/ EOT @ 9062' ND bops NU well head Tbg is shut in, casing is Turn over to Weatherford flow back. RDMO,
9	11/30/2015	12/1/2015	REPAIRS AND MAINTENANCE
10	12/4/2015	12/5/2015	5 RUNS SWAB BACK 261 BBLS
11	12/5/2015	12/6/2015	12/5/2015 19 RUNS 250 BBLS 12/6/2015 20 RUNS 409 BBLS

RECEIVED: Dec. 17, 2015

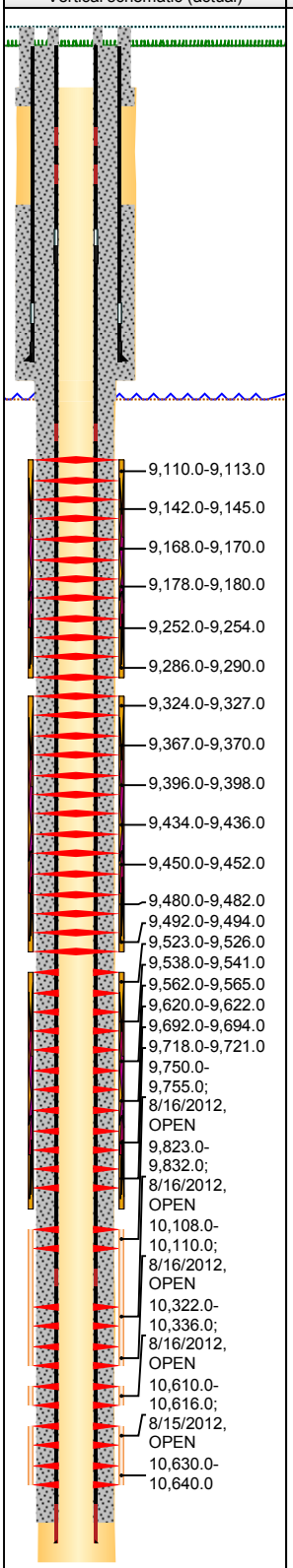
Perforations

Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:38 PM



Perforations

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,110	9,113

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				2,000	1,900

Reference Log:

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,142	9,145

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				2,000	1,900

Reference Log:

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,168	9,170

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				2,000	1,900

Reference Log:

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,178	9,180

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				2,000	1,900

Reference Log:

Type: Perforated

RECEIVED: Dec. 17, 2015

Perforations

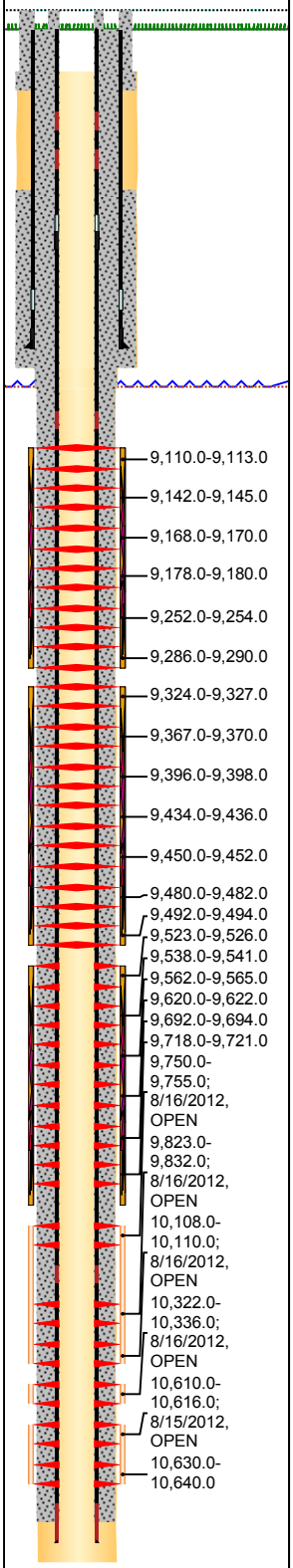
Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:38 PM

Vertical schematic (actual) | Zone (Completion Interval)



Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,252	9,254

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				2,000	1,900

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,286	9,290

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				2,000	1,900

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,324	9,327

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,367	9,370

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

RECEIVED: Dec. 17, 2015

Perforations

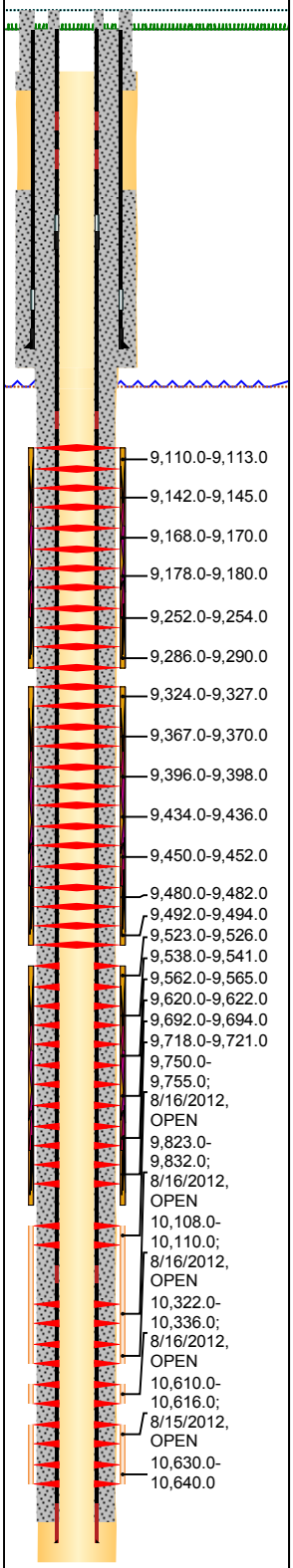
Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:38 PM

Vertical schematic (actual) | Zone (Completion Interval)



Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,396	9,398

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,434	9,436

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,450	9,452

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,480	9,482

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

RECEIVED: Dec. 17, 2015

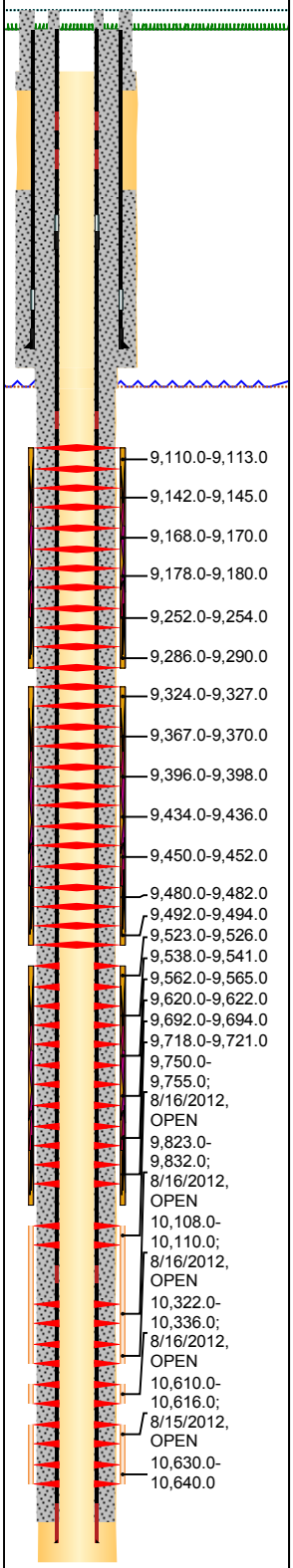
Perforations

Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:38 PM



Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/24/2015	MESAVERDE, ORIGINAL HOLE	9,492	9,494

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				1,800	1,615

Reference Log

Type: Perforated

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/21/2015	MESAVERDE, ORIGINAL HOLE	9,523	9,526

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
Lone Wolf WL			

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)

Reference Log

Type

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/21/2015	MESAVERDE, ORIGINAL HOLE	9,538	9,541

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
Lone Wolf WL			

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)

Reference Log

Type

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/21/2015	MESAVERDE, ORIGINAL HOLE	9,562	9,565

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
Lone Wolf WL			

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)

Reference Log

Type

RECEIVED: Dec. 17, 2015

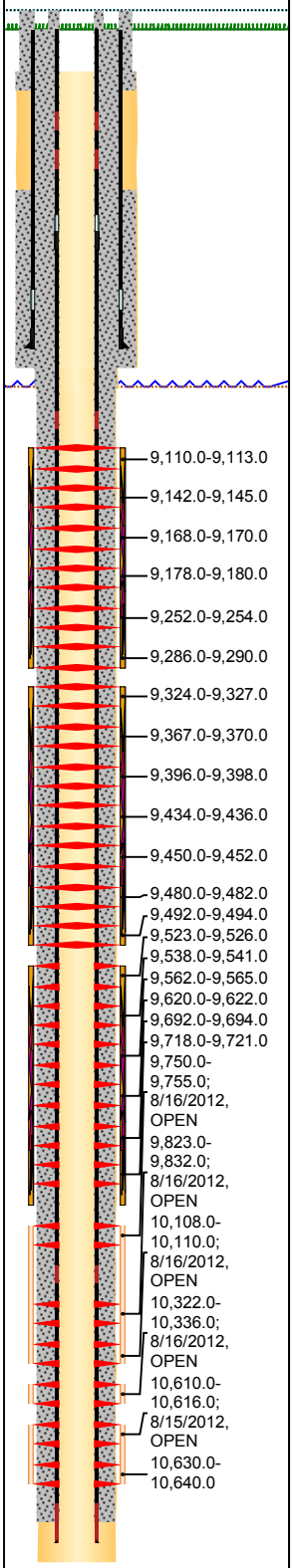
Perforations

Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:38 PM



Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/21/2015	MESAVERDE, ORIGINAL HOLE	9,620	9,622

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
Lone Wolf WL			

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)

Reference Log

Type

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/21/2015	MESAVERDE, ORIGINAL HOLE	9,692	9,694

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
Lone Wolf WL			

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)

Reference Log

Type

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
11/21/2015	MESAVERDE, ORIGINAL HOLE	9,718	9,721

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
Lone Wolf WL			

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)

Reference Log

Type

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
8/16/2012		9,750	9,755

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
LONE WOLF WL		0.0	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	0.0	0		0	0

Reference Log

Type

RECEIVED: Dec. 17, 2015

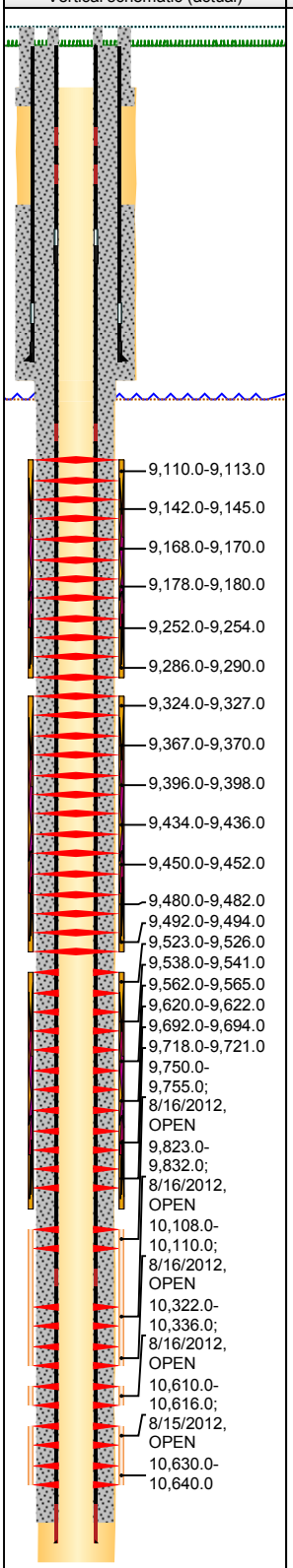
Perforations

Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:39 PM



Perforation Statuses

Date	Status	Com
8/16/2012	OPEN	

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
8/16/2012		9,823	9,832

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
LONE WOLF WL		0.0	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	0.0	0		0	0

Reference Log

Type

Perforation Statuses

Date	Status	Com
8/16/2012	OPEN	

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
8/16/2012		10,108	10,110

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
LONE WOLF WL		0.0	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	0.0	0		0	0

Reference Log

Type

Perforation Statuses

Date	Status	Com
8/16/2012	OPEN	

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
8/16/2012		10,322	10,336

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
LONE WOLF WL		0.0	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	0.0	0		0	0

Reference Log

Type

Perforation Statuses

Date	Status	Com
8/16/2012	OPEN	

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
8/15/2012		10,610	10,616

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
LONE WOLF WL		0.0	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	0.0	0		0	0

Reference Log

Type

RECEIVED: Dec. 17, 2015

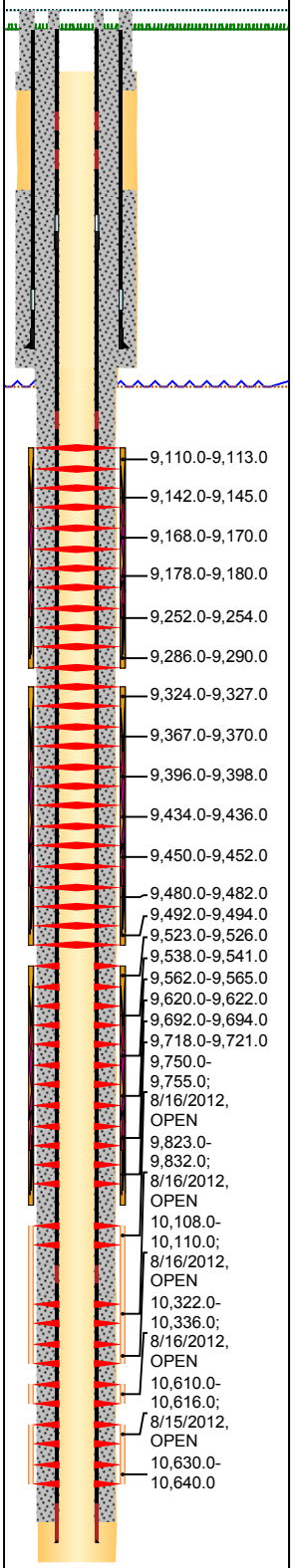
Perforations

Well Name: RW 5D2-26B

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-52242	S26-T7S-R23E	RED WASH	UINTAH	UTAH	S-Well

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT101979	5,513.5	5,529.50, <elvothernote>	16.00	7/16/2012 23:30	8/6/2012 06:00	ORIGINAL HOLE - 10,787.0

S-Well - ORIGINAL HOLE, 12/17/2015 2:50:39 PM



Perforation Statuses

Date	Status	Com
8/15/2012	OPEN	

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
8/8/2012		10,630	10,640

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
LONE WOLF WL		0.0	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	0.0	0		0	0

Reference Log

Type

Perforation Statuses

Date	Status	Com

RECEIVED: Dec. 17, 2015